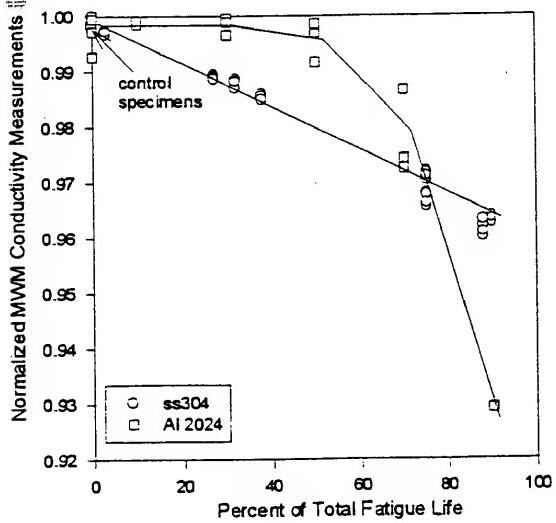


**FIG. 1**



**FIG. 2**

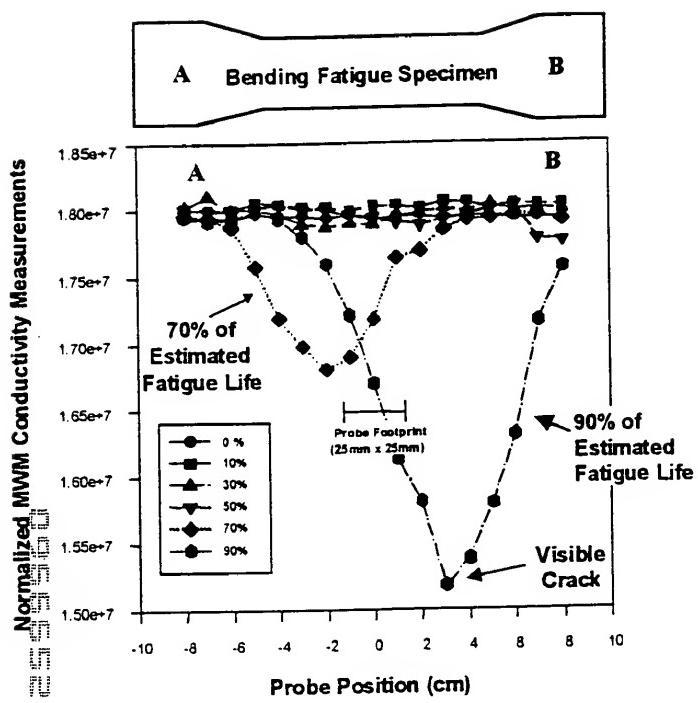


FIG. 3

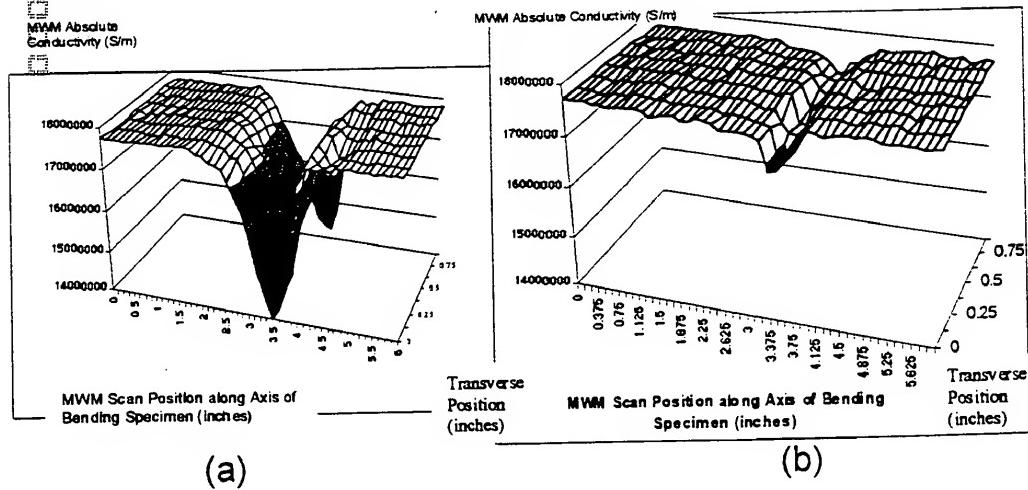
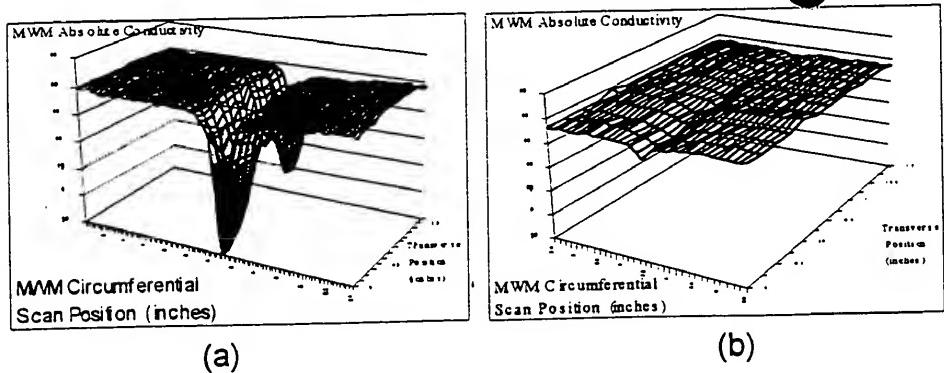
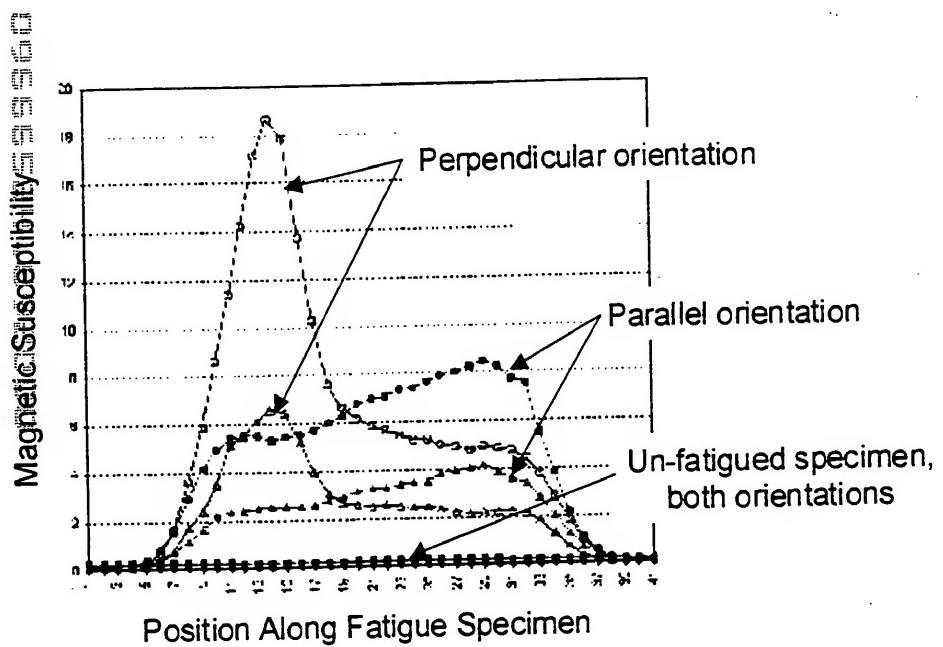


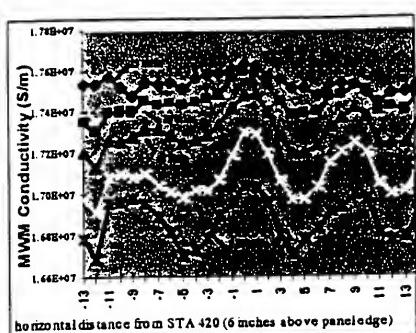
FIG. 4



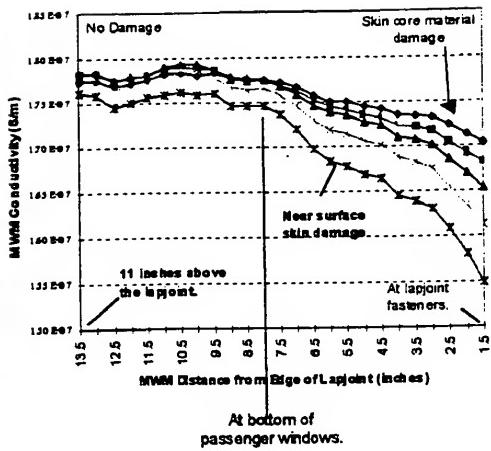
**FIG. 5**



**FIG. 6**



(a)



(b)

**FIG. 7**

Damage to interior panel

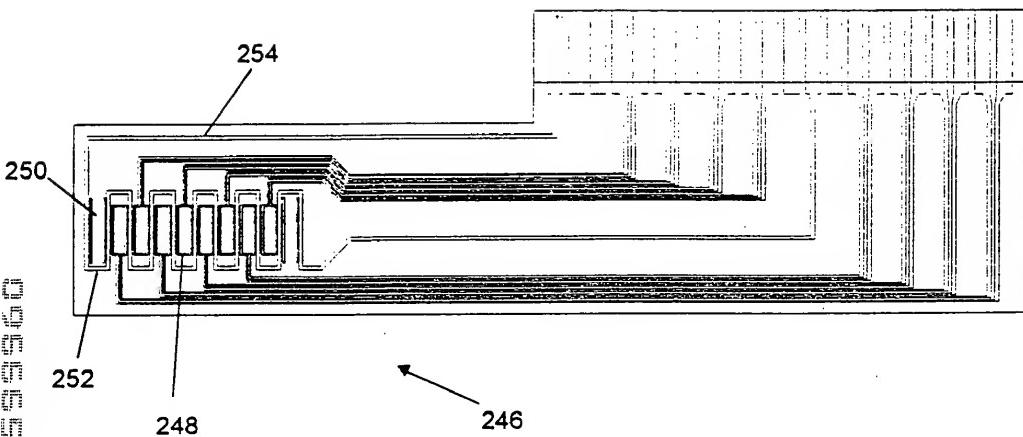


FIG. 8(a)

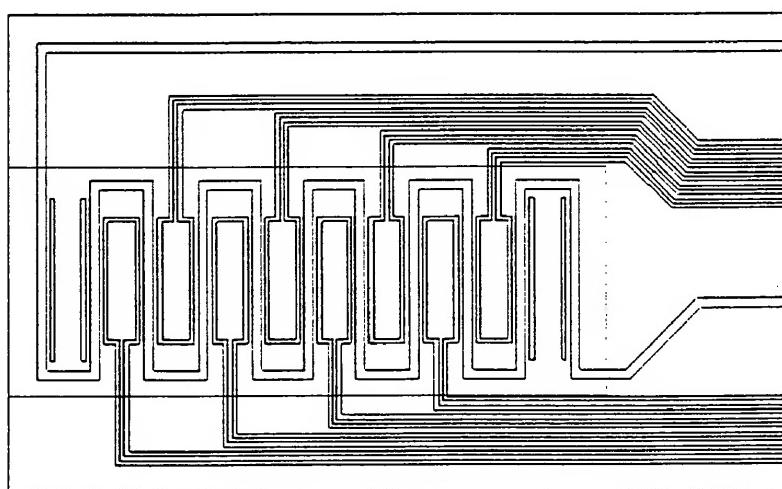
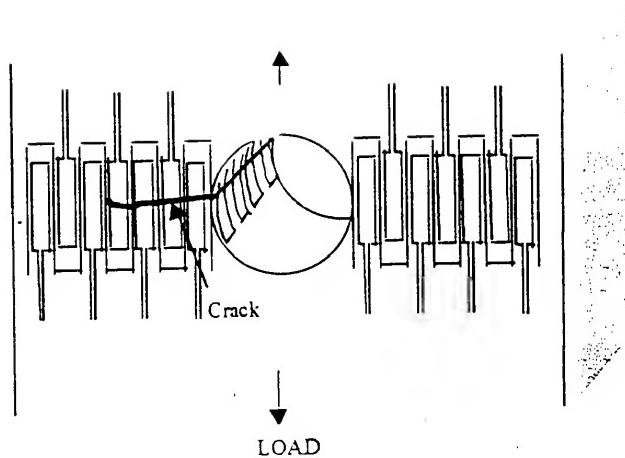
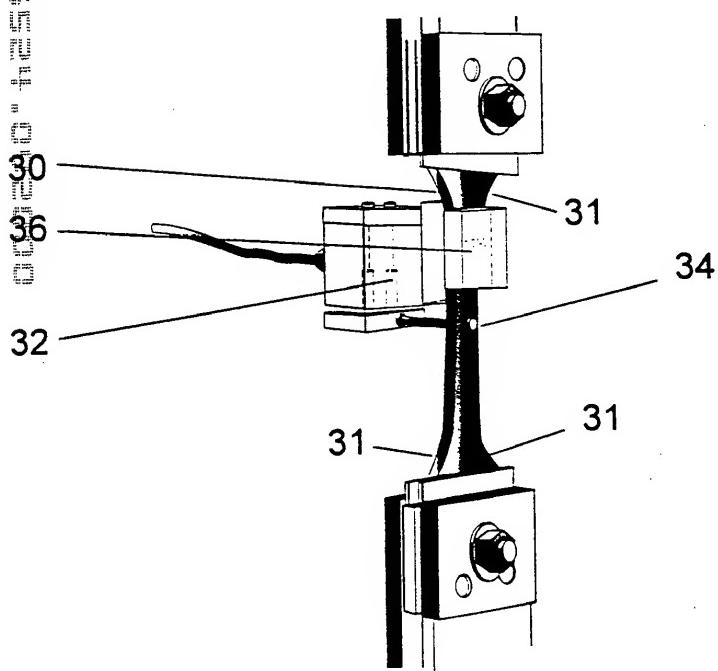


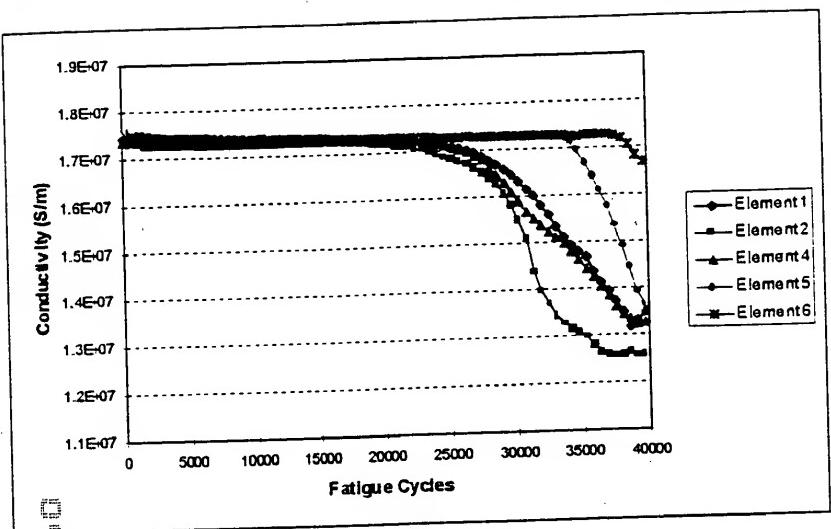
FIG. 8(b)



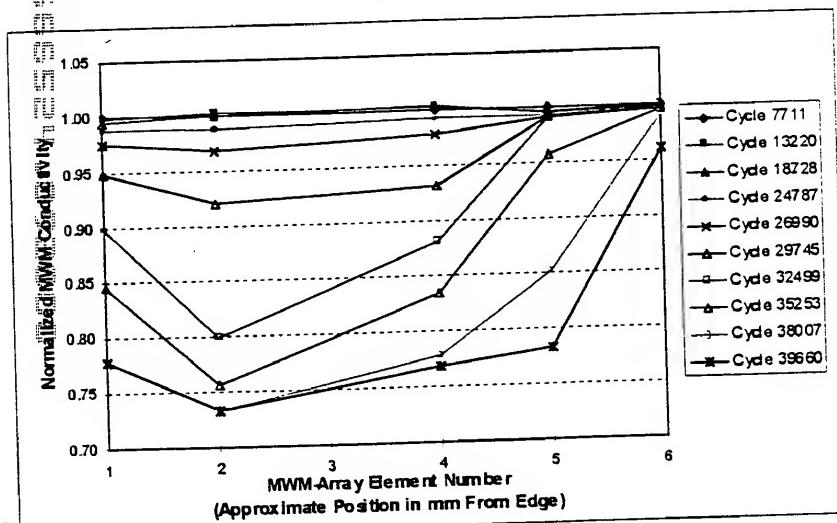
**FIG. 9**



**FIG. 10**

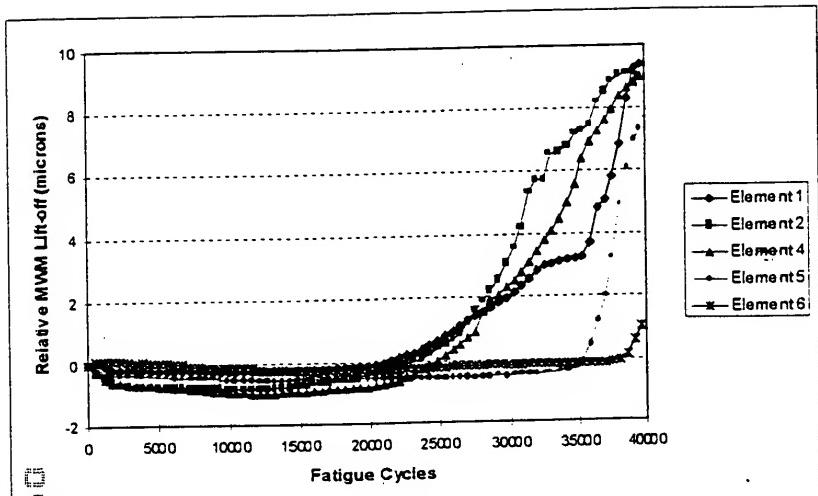


(a)

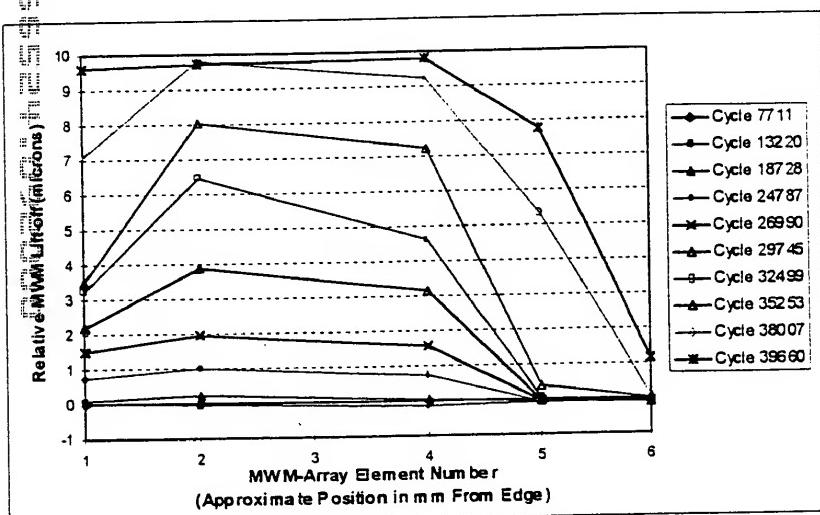


(b)

FIG. 11

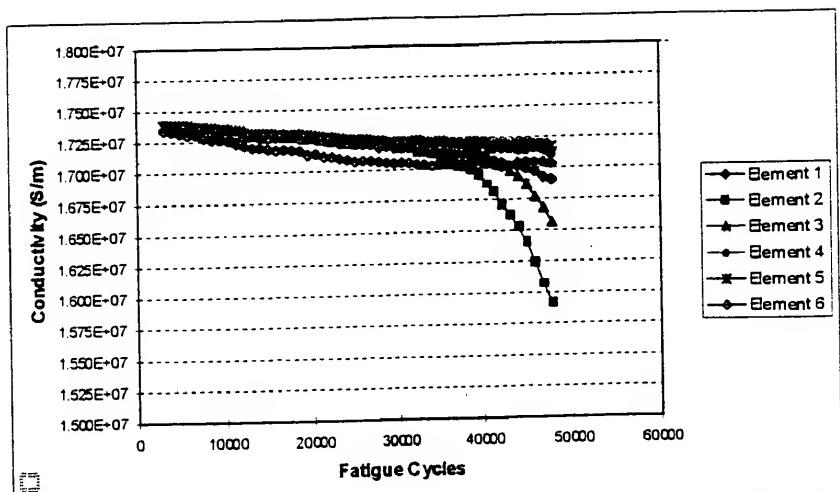


(a)

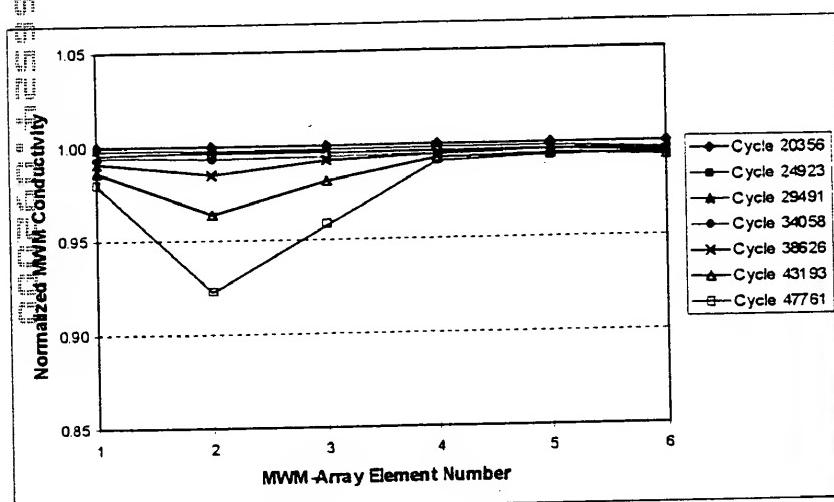


(b)

FIG. 12



(a)



(b)

FIG. 13

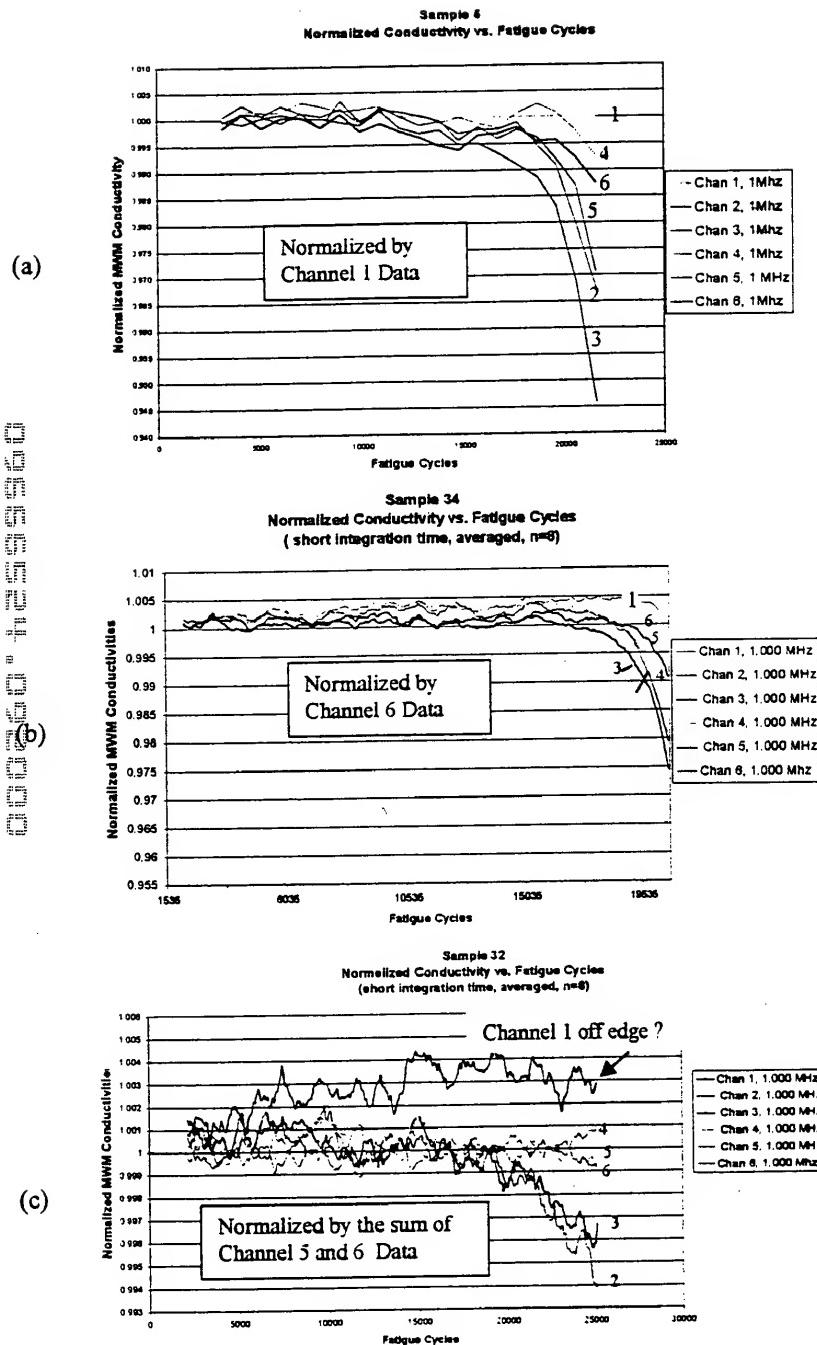
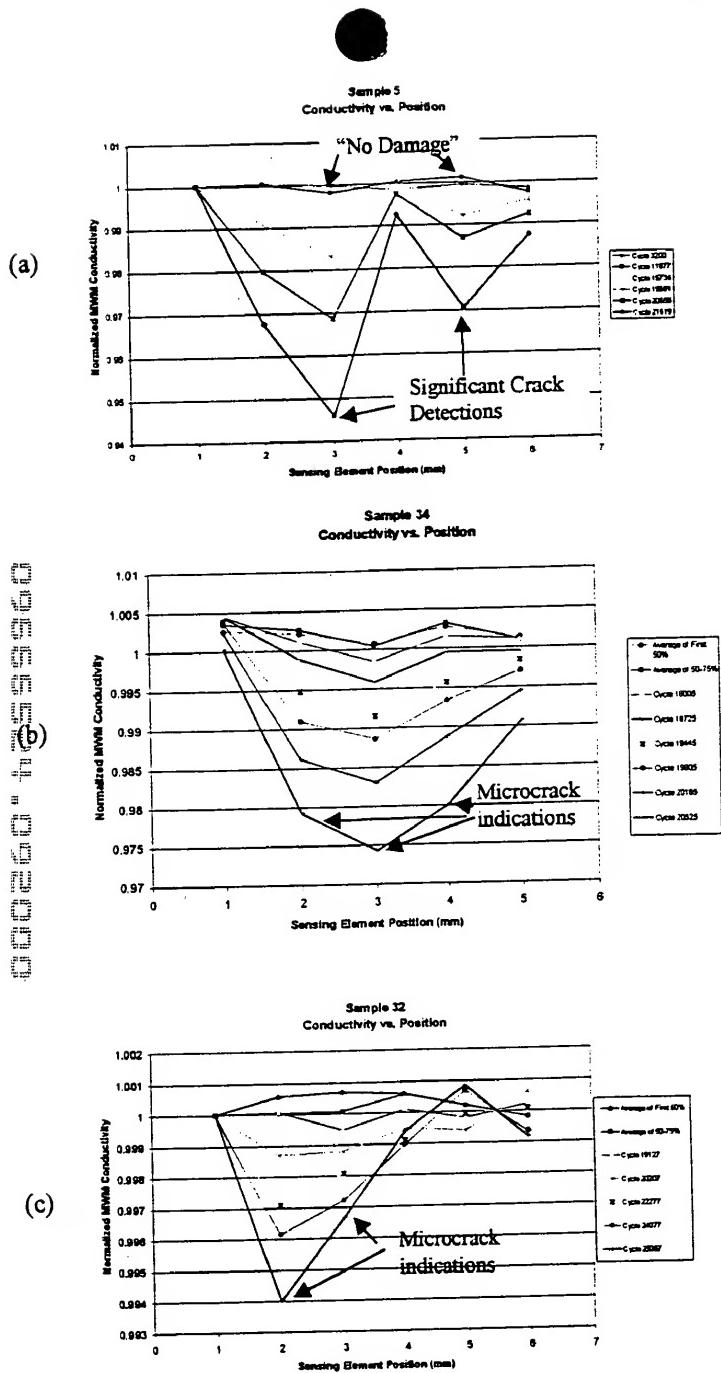
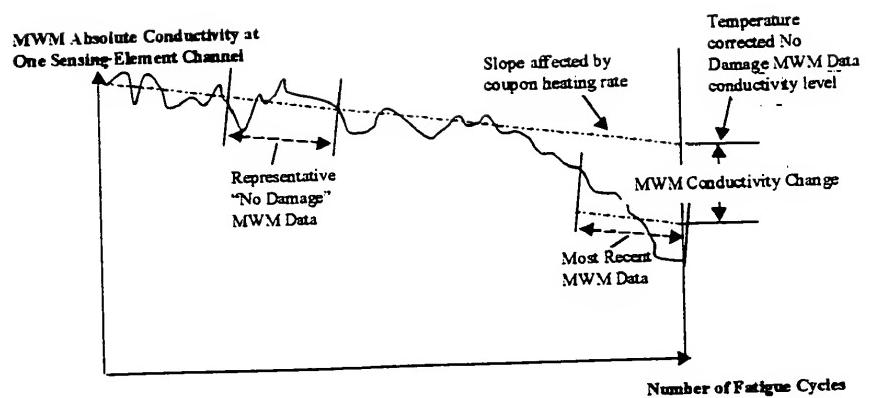


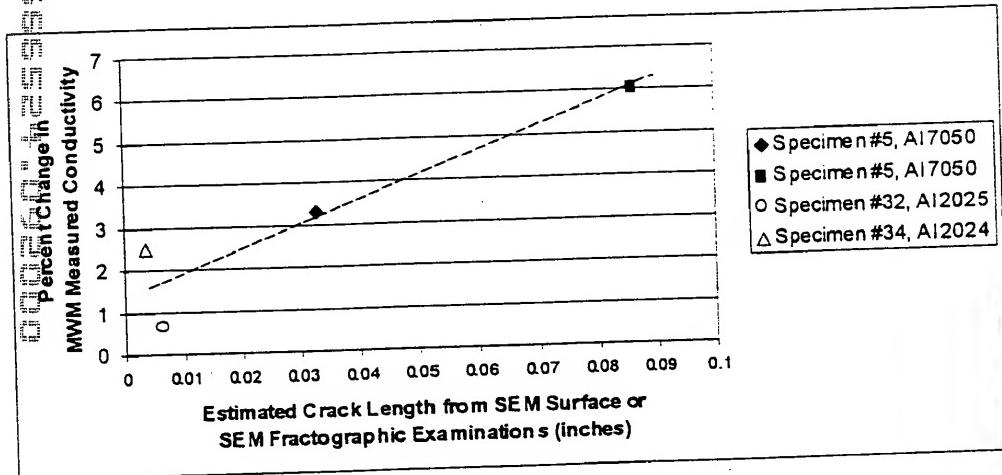
FIG. 14



**FIG. 15**



**FIG. 16**



**FIG. 17**

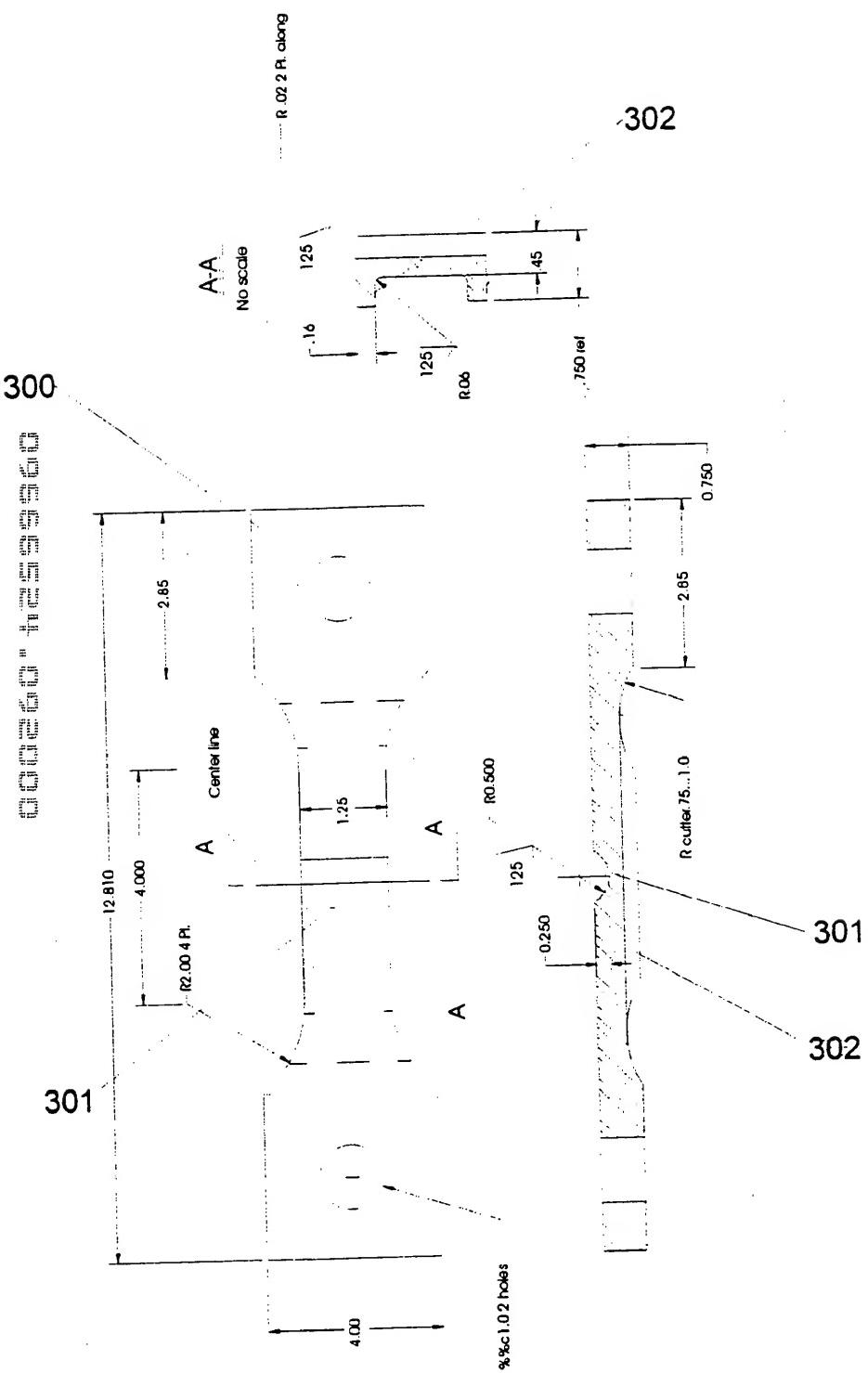


FIG. 18

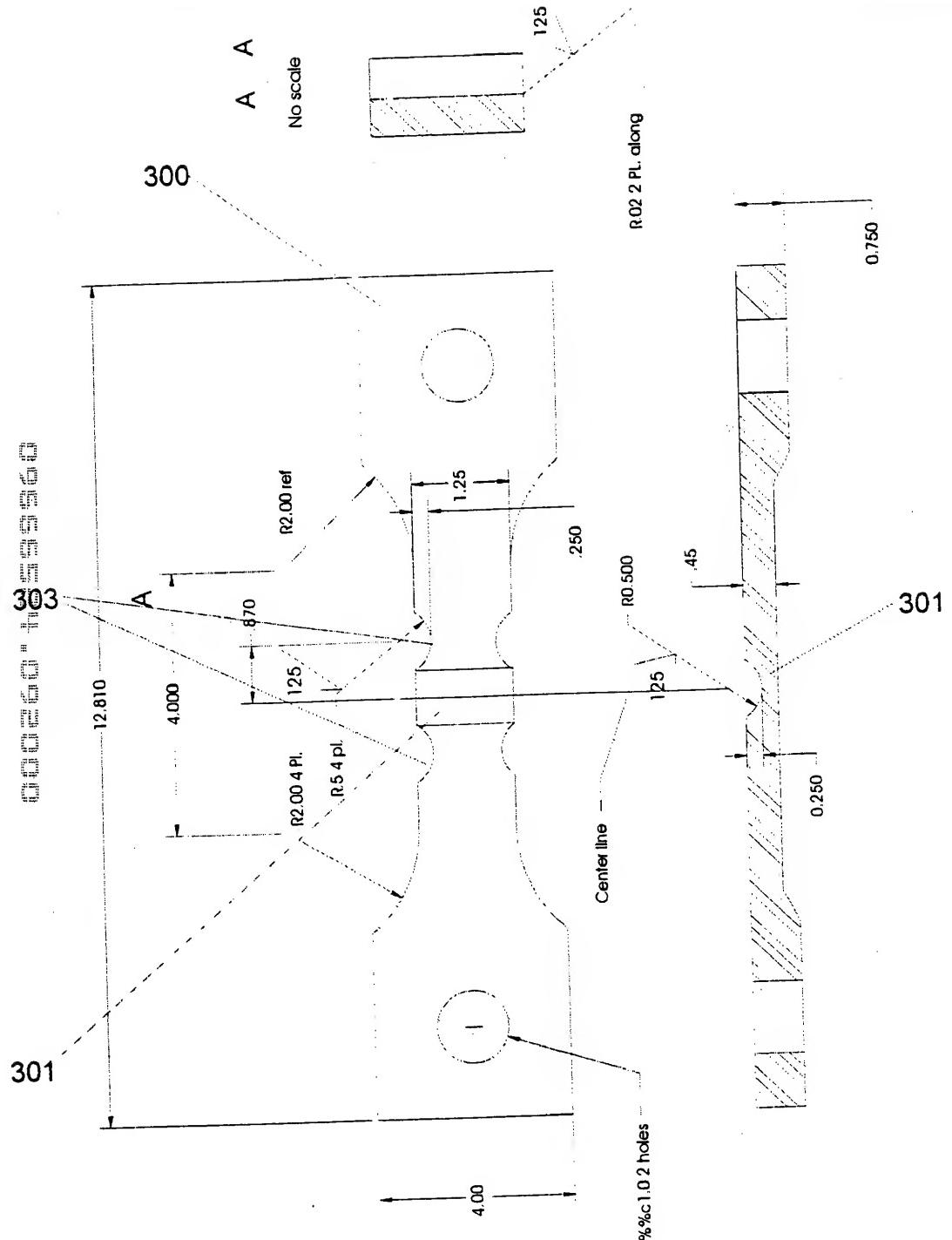
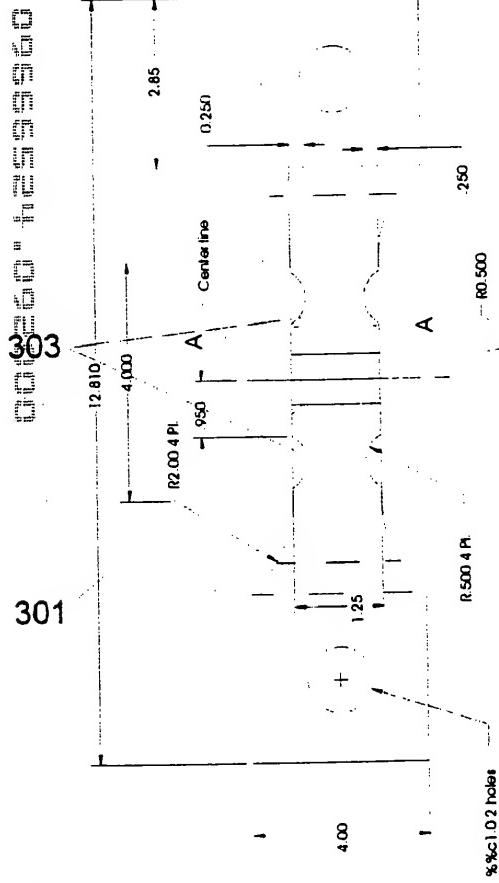


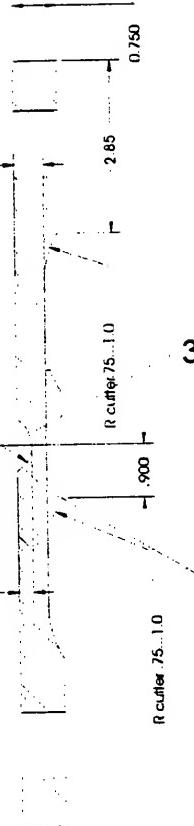
FIG. 19

300



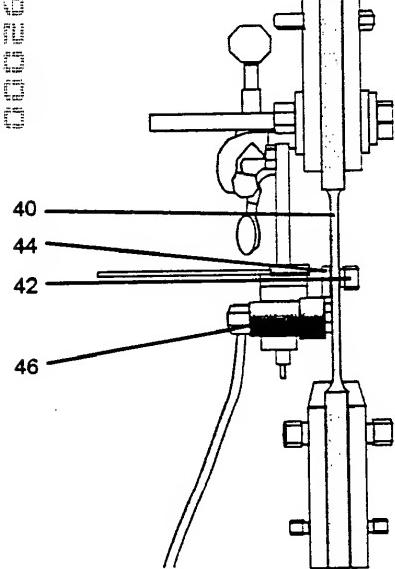
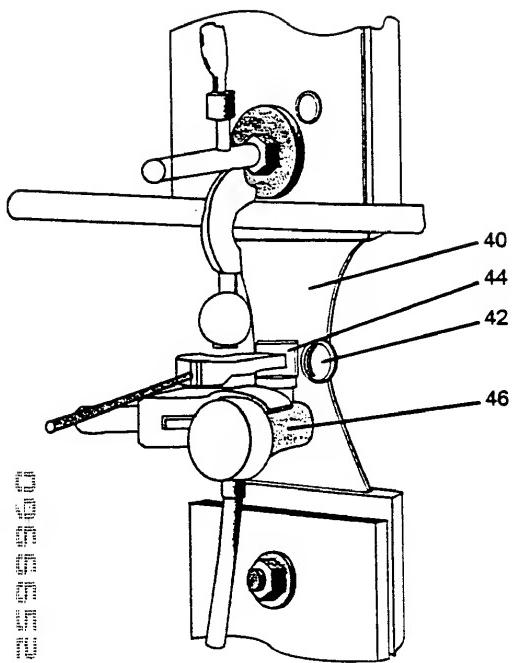
**FIG. 20**

.302



301

302



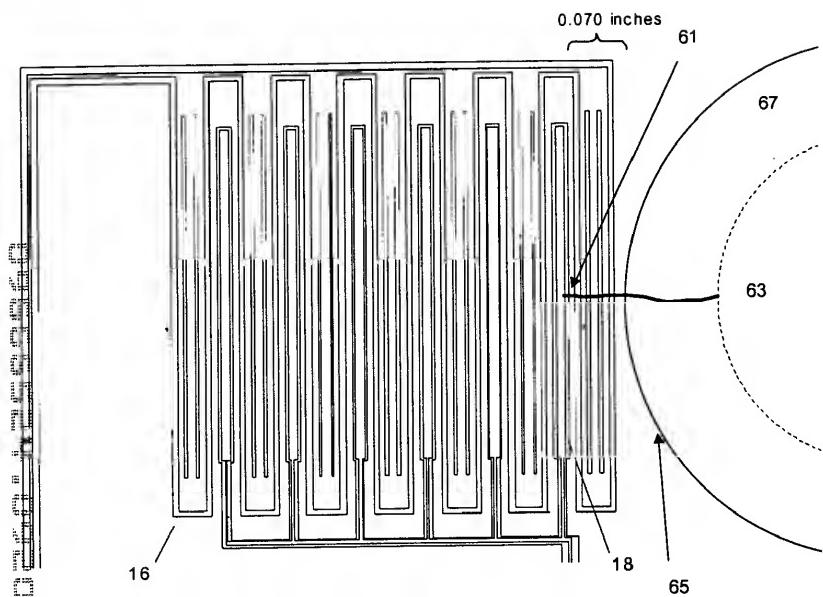


FIG. 22

processes in sequence

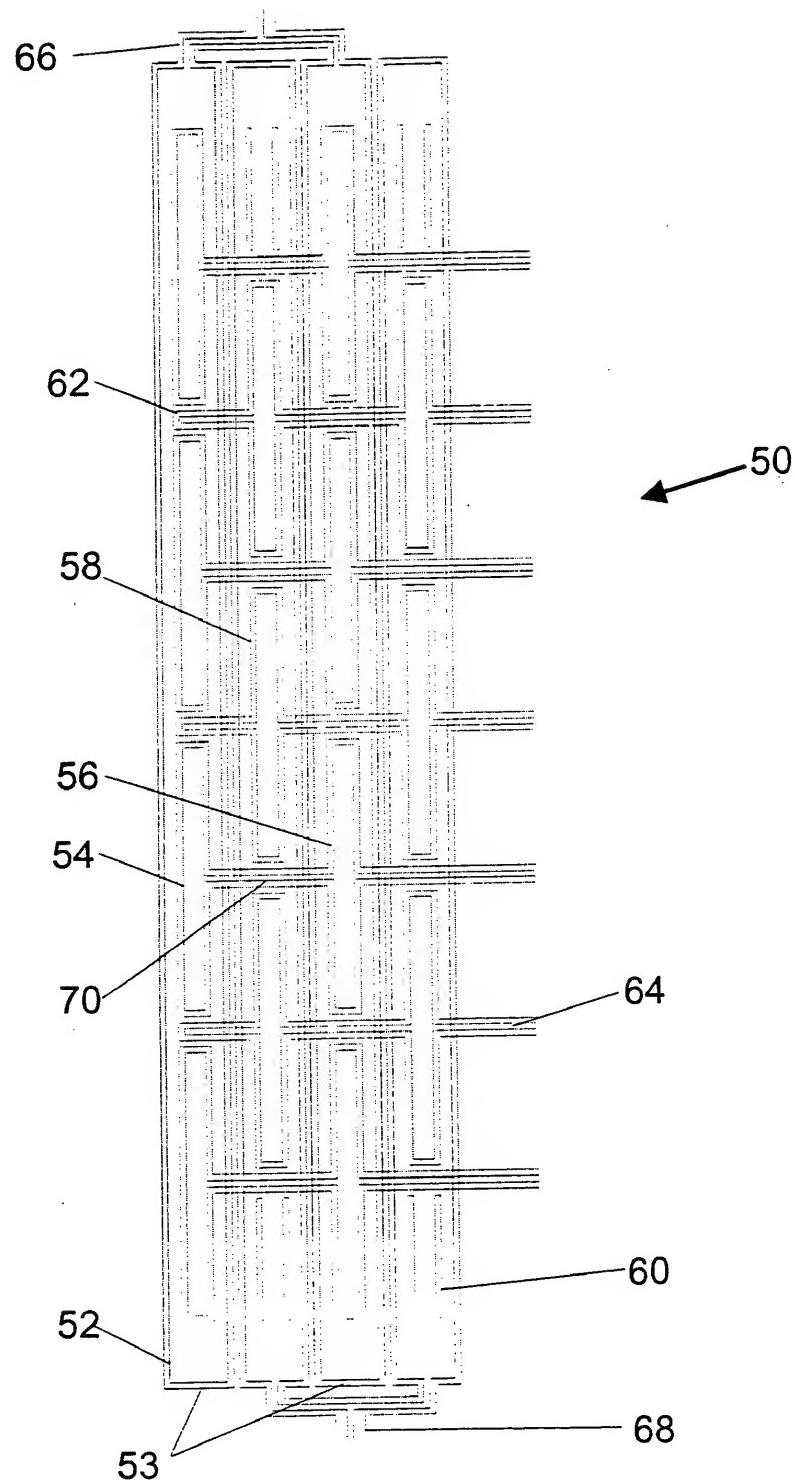
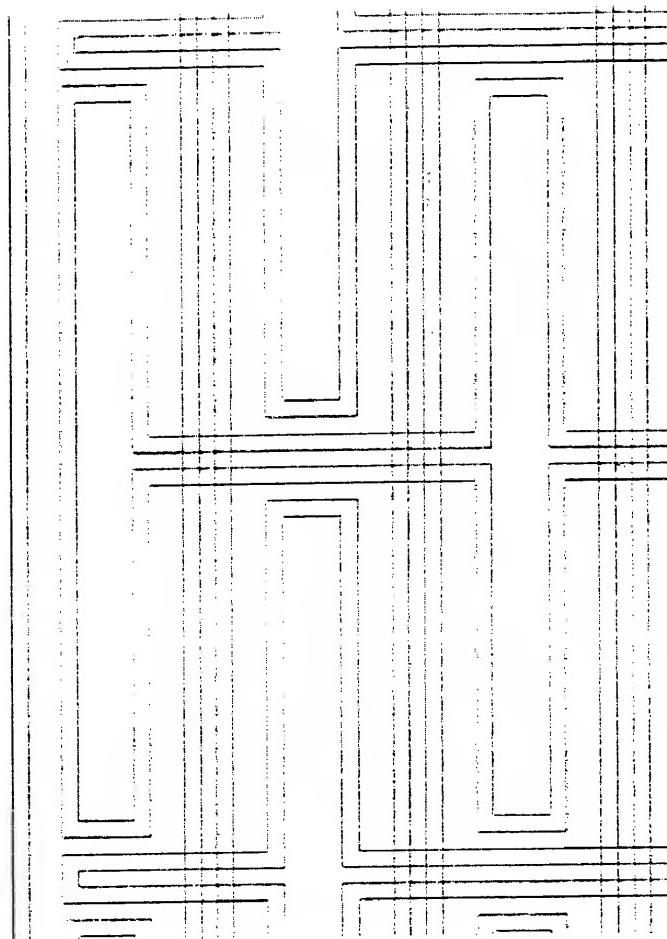
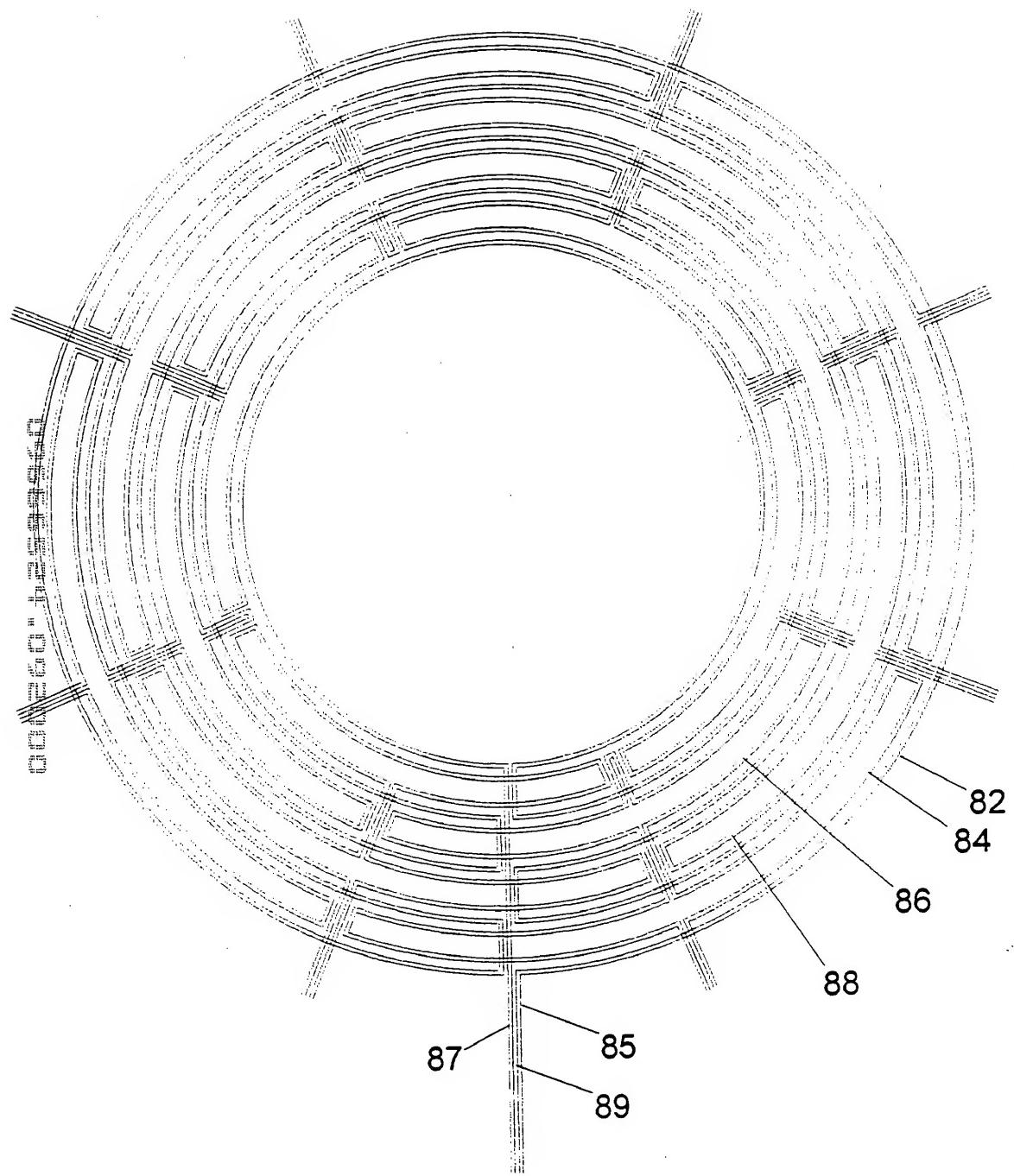


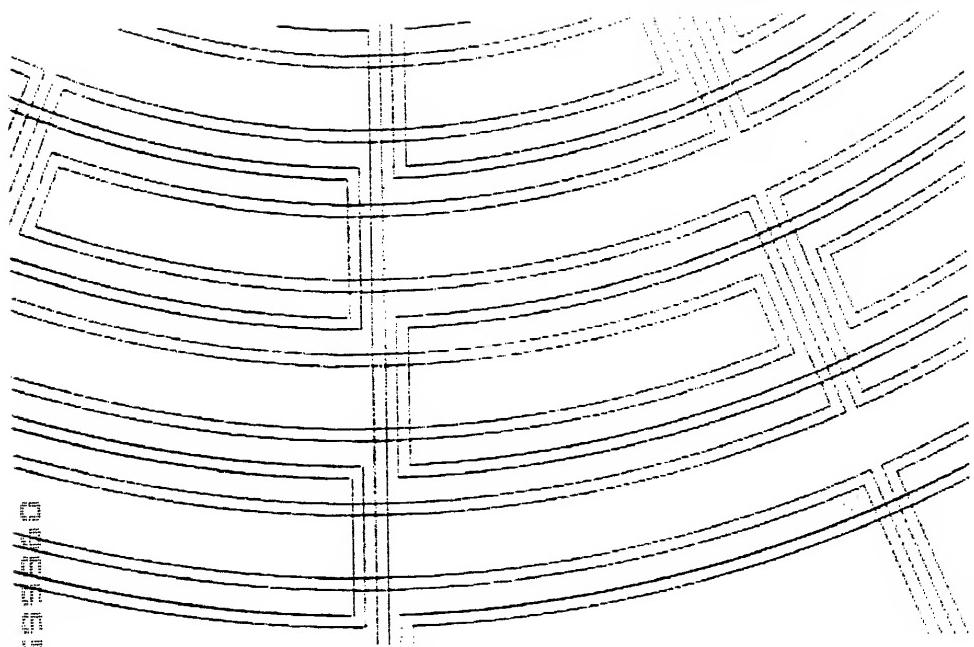
FIG. 23(a)



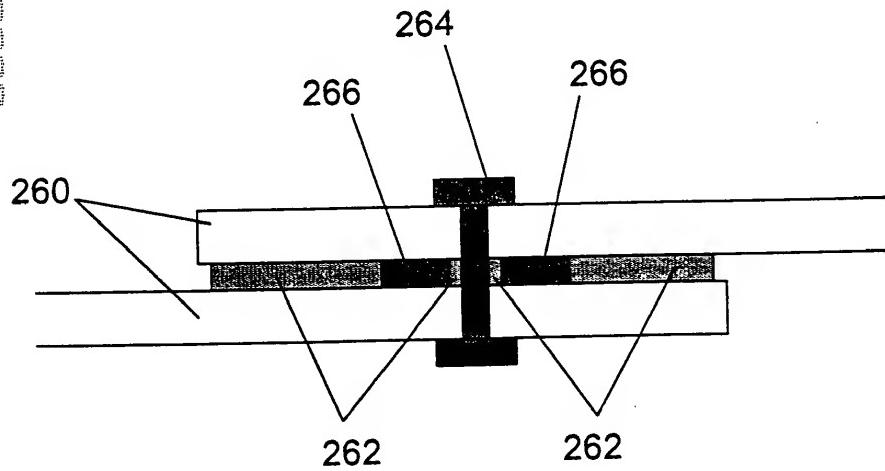
**FIG. 23(b)**



**FIG. 24(a)**



**FIG. 24(b)**



**FIG. 25**

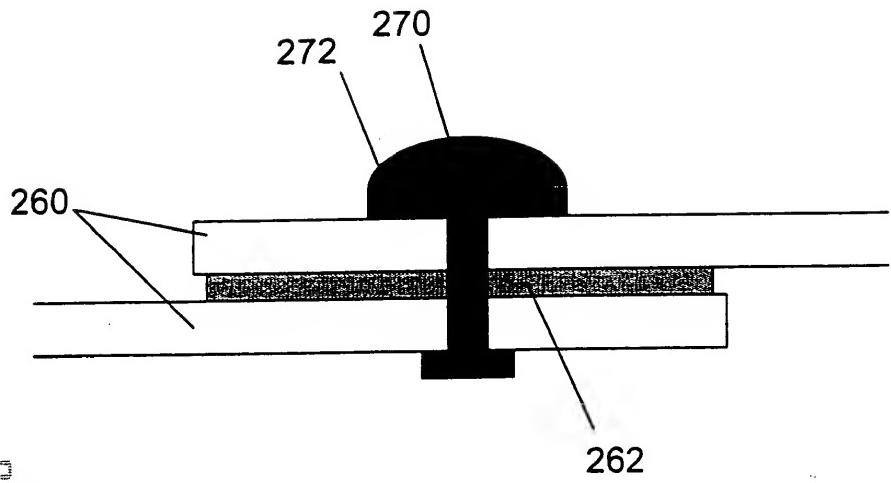


FIG. 26  
FIGURE 26  
A FIGURE OF A DEVICE

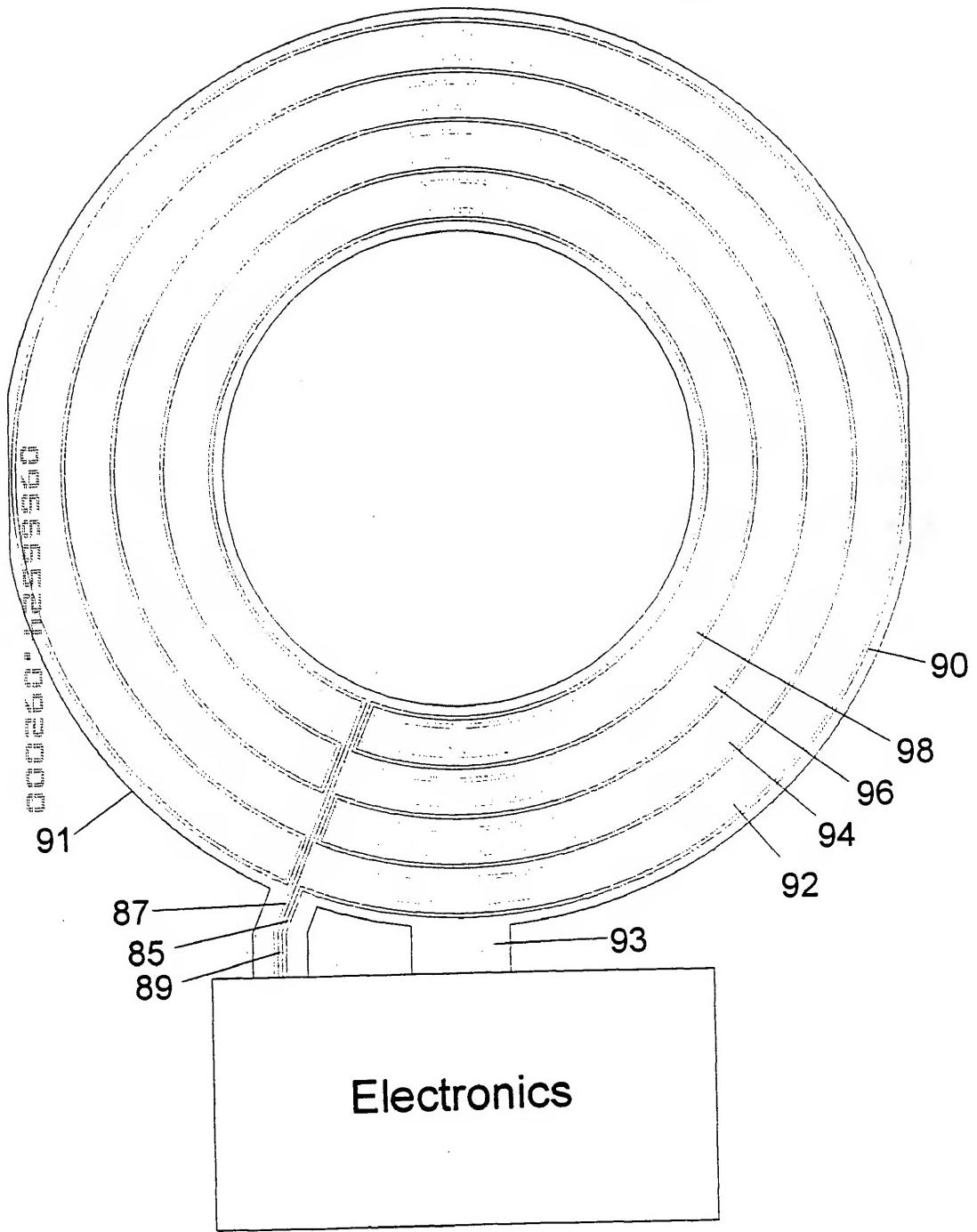
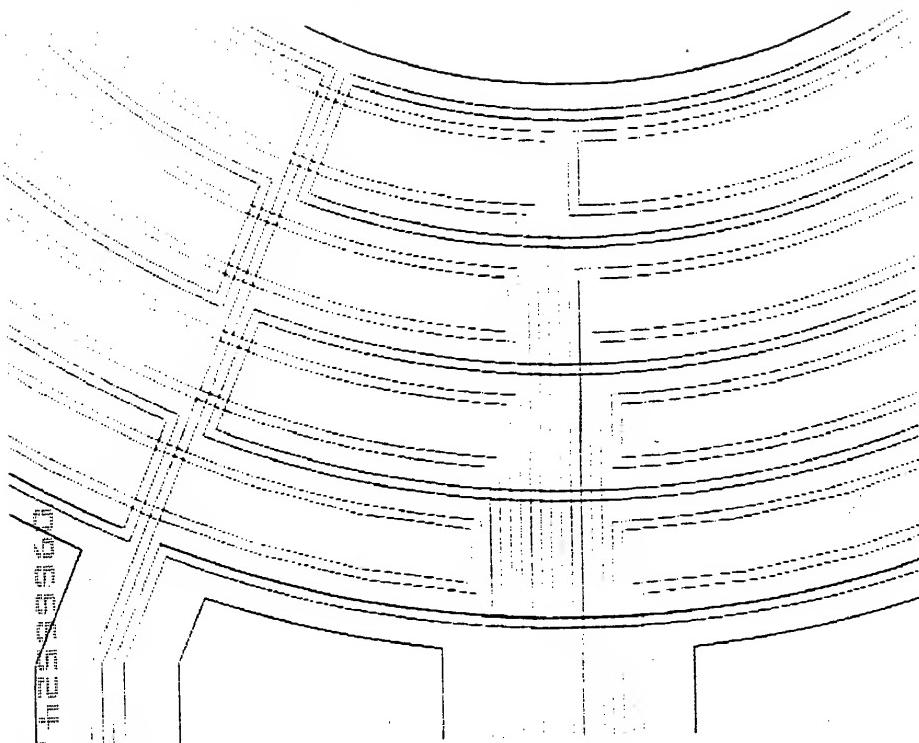


FIG. 27(a)



**FIG. 27(b)**

SECTION  
SHEET

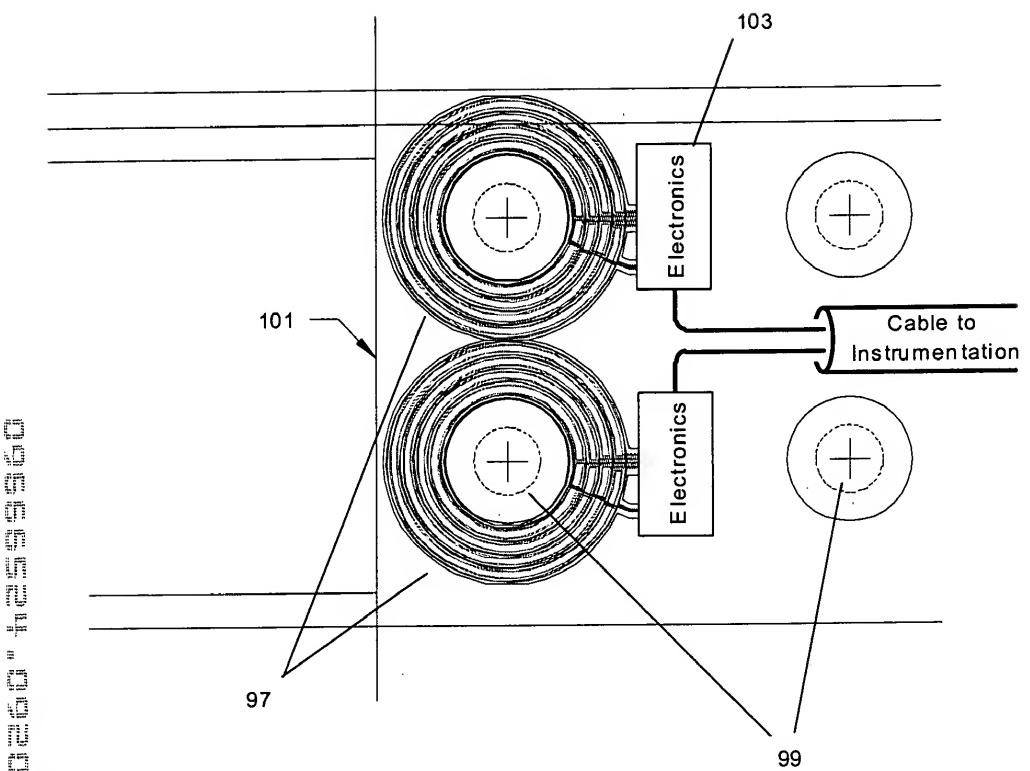


FIG. 28

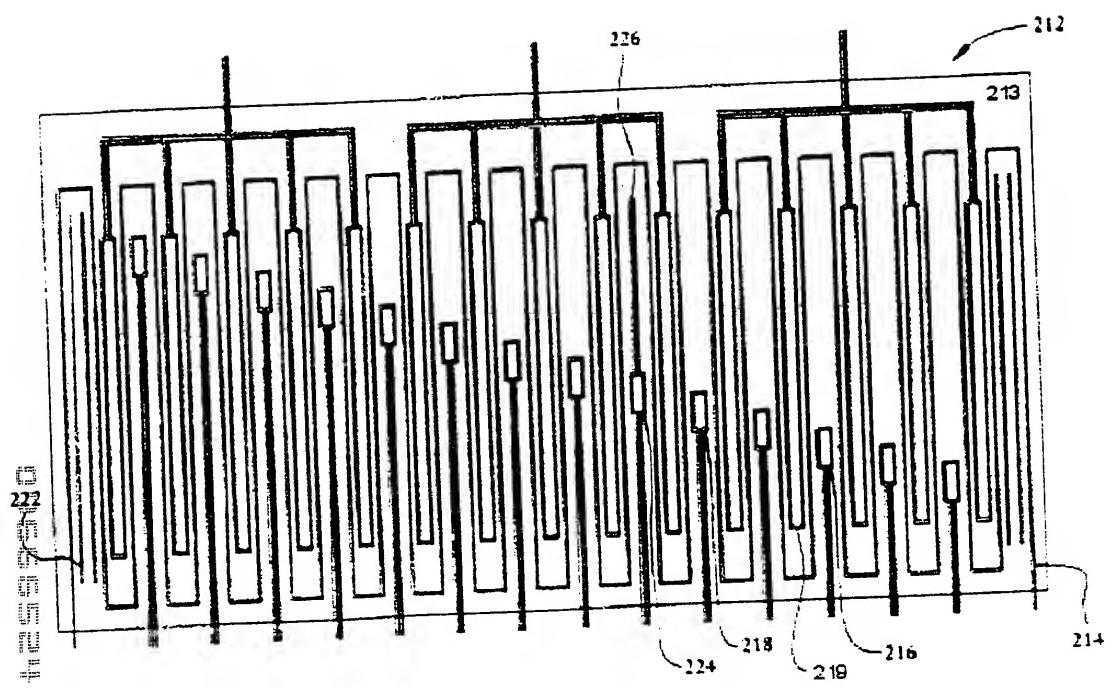
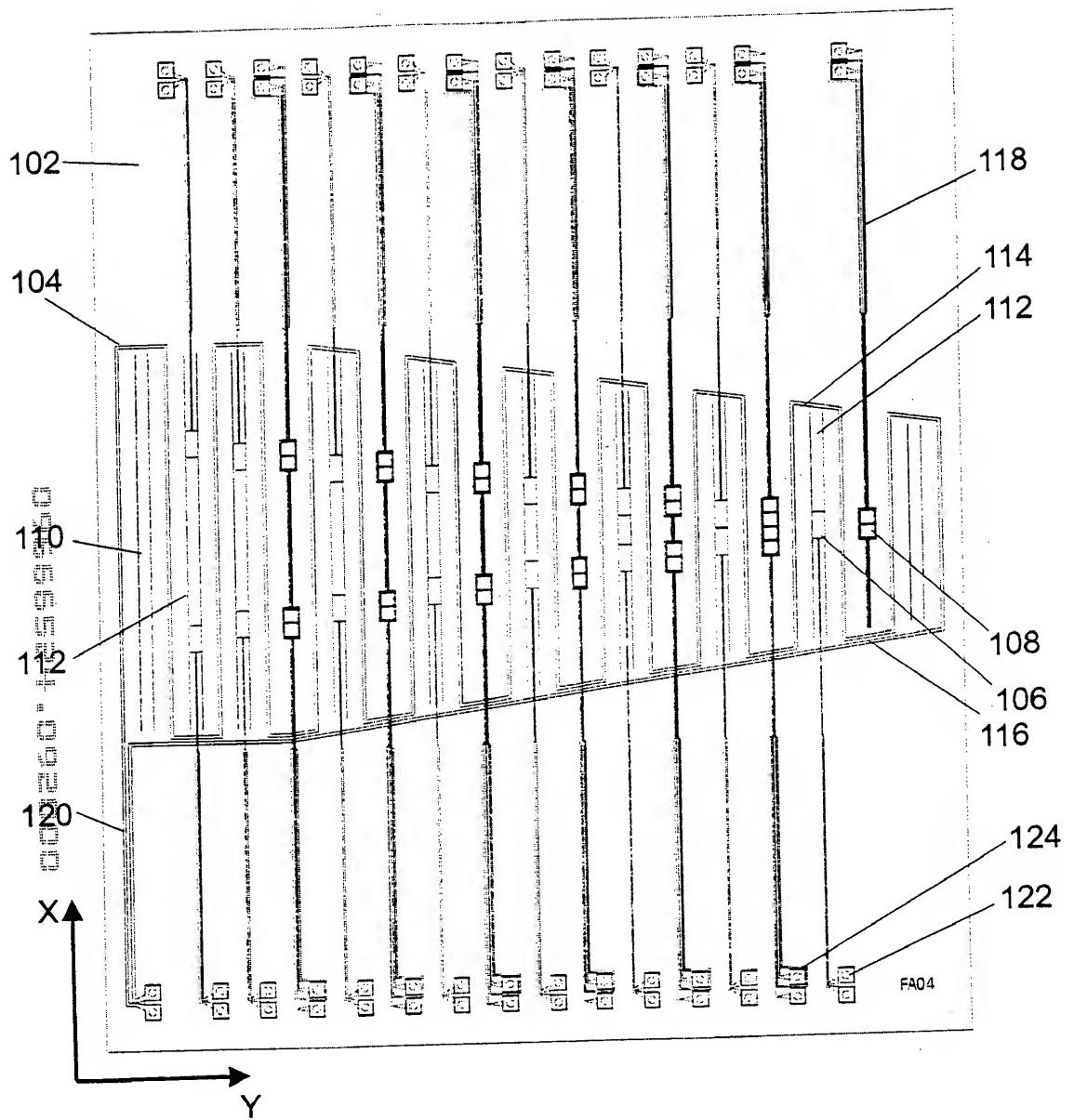


FIG. 29



**FIG. 30**

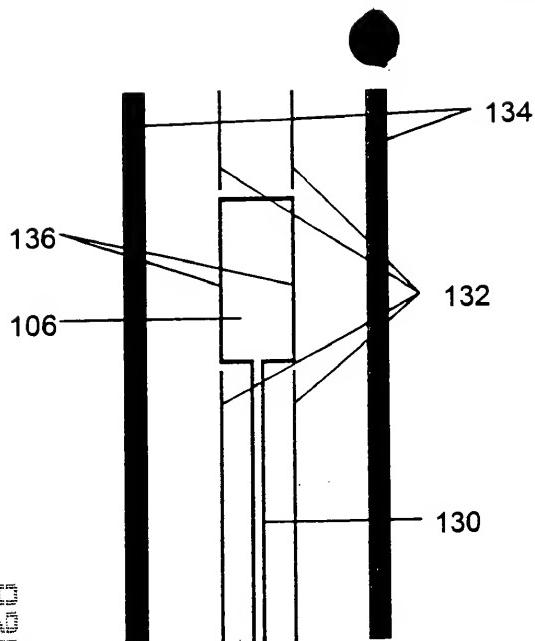


FIG. 31

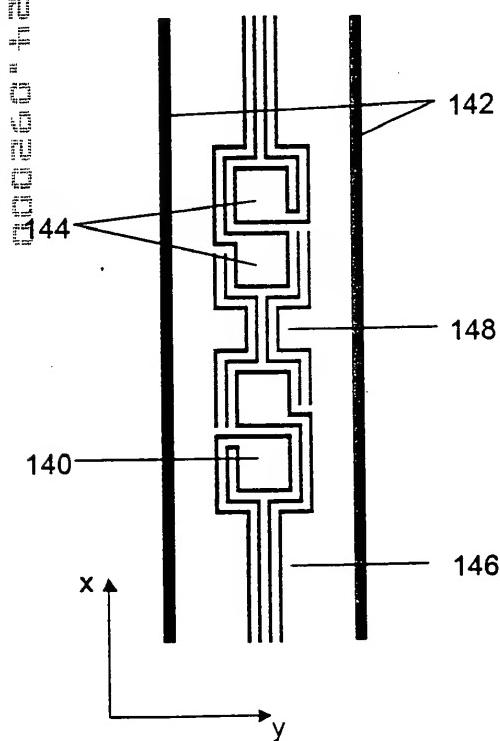


FIG. 32

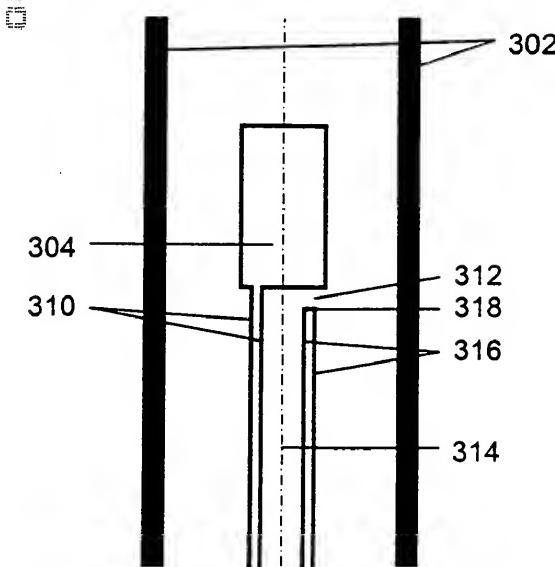
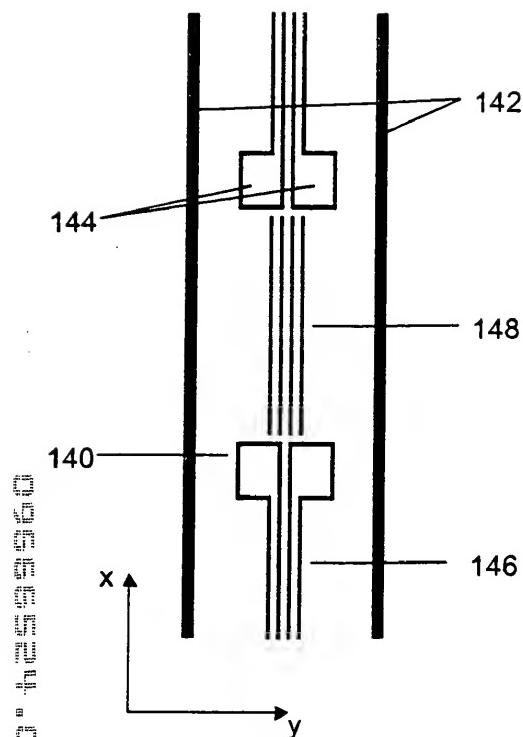


FIG 34.

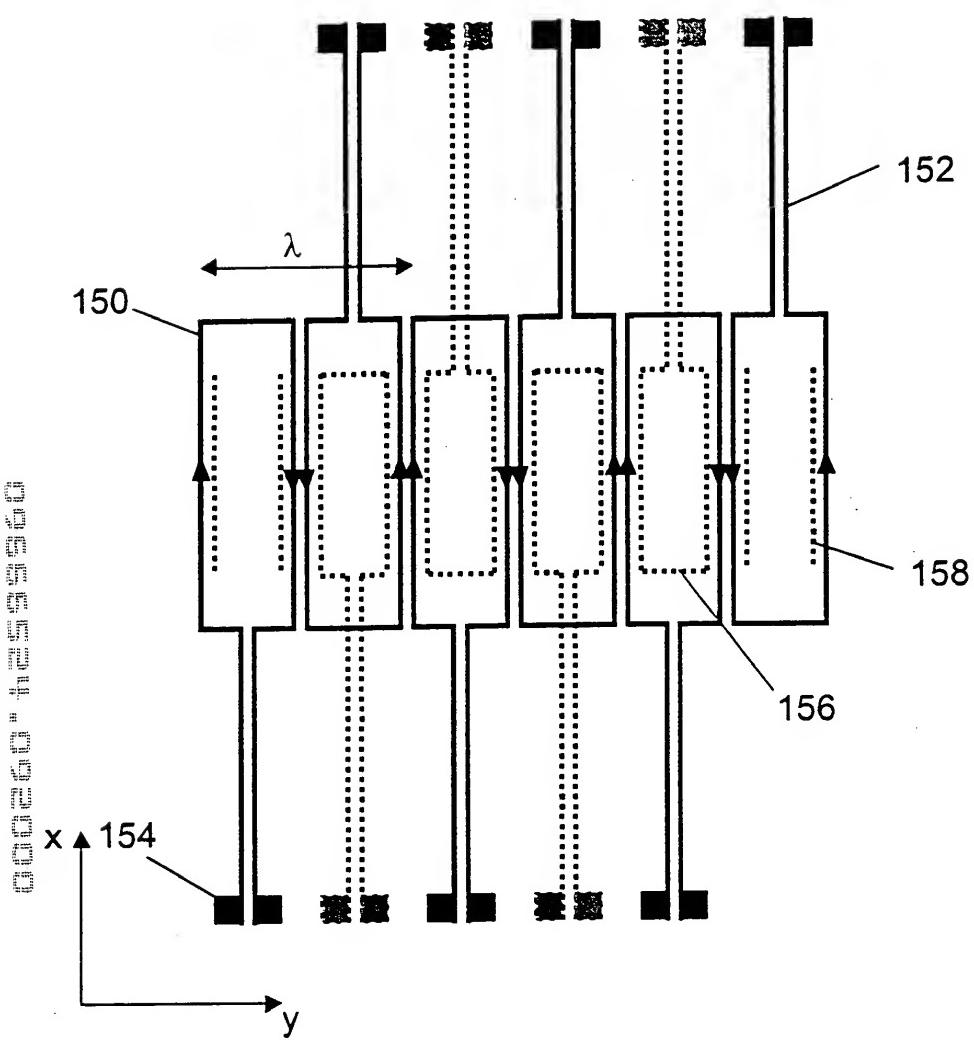


FIG. 35

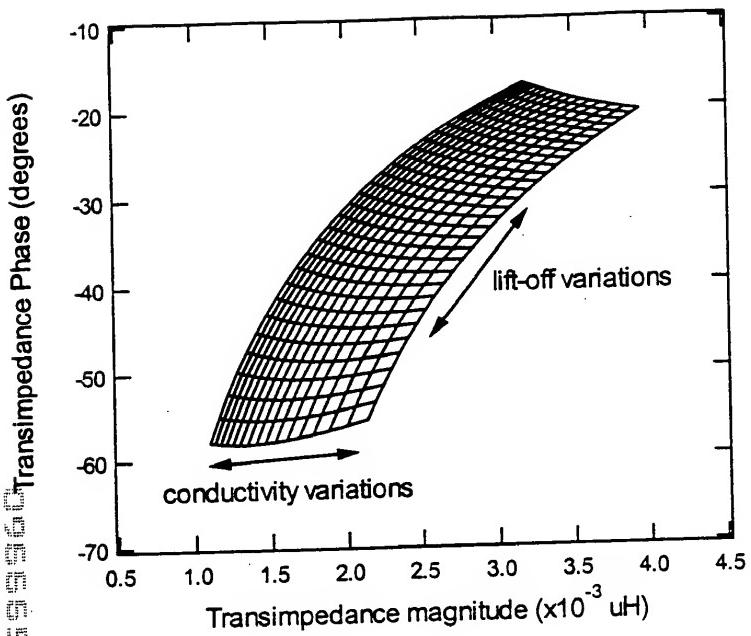
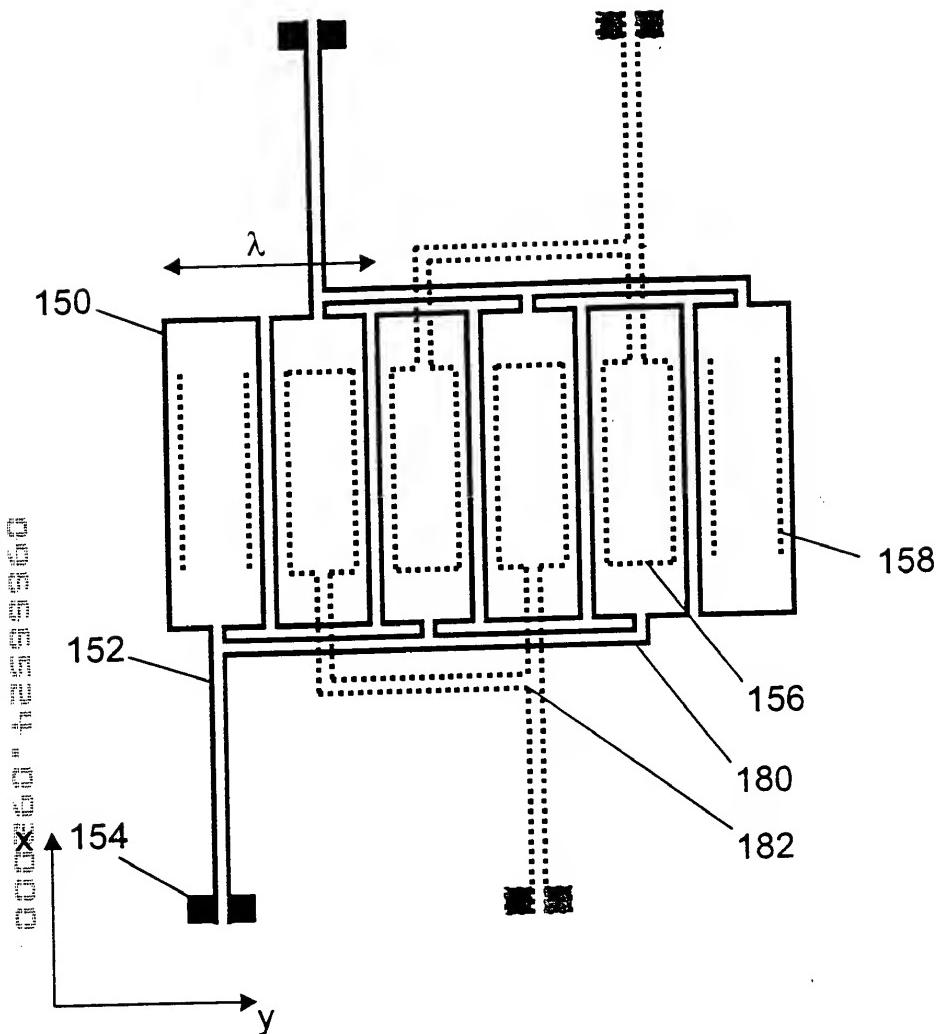
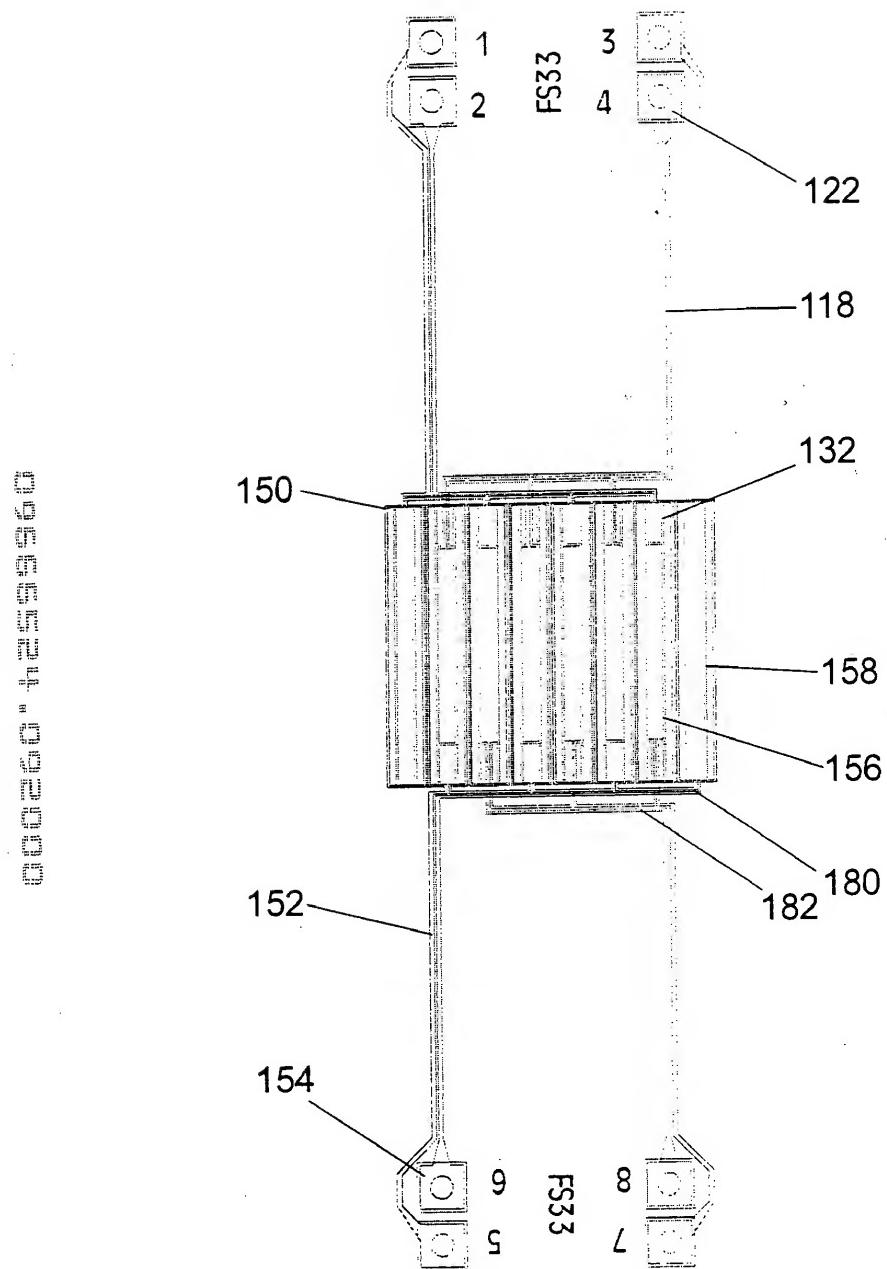


FIG. 36



**FIG. 37**



**FIG. 38(a)**

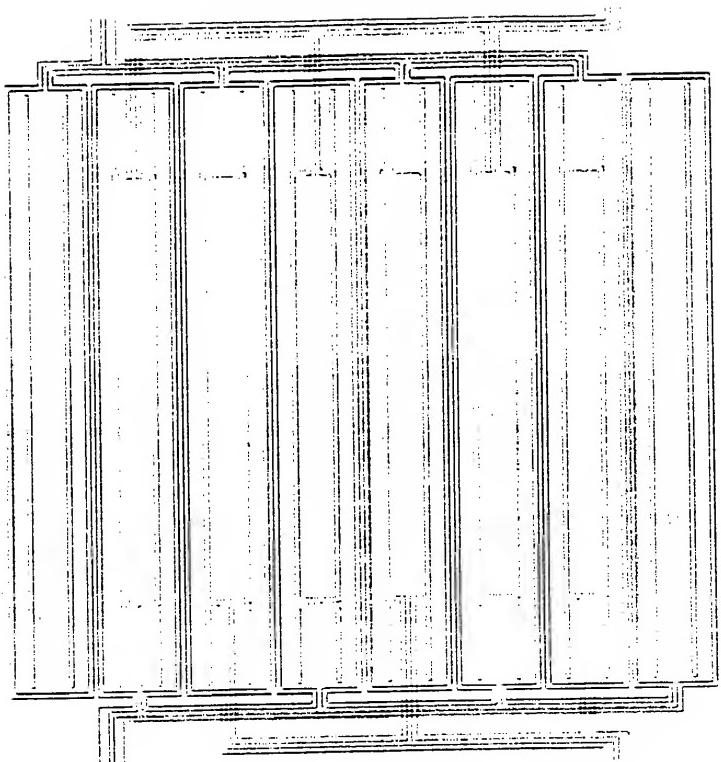
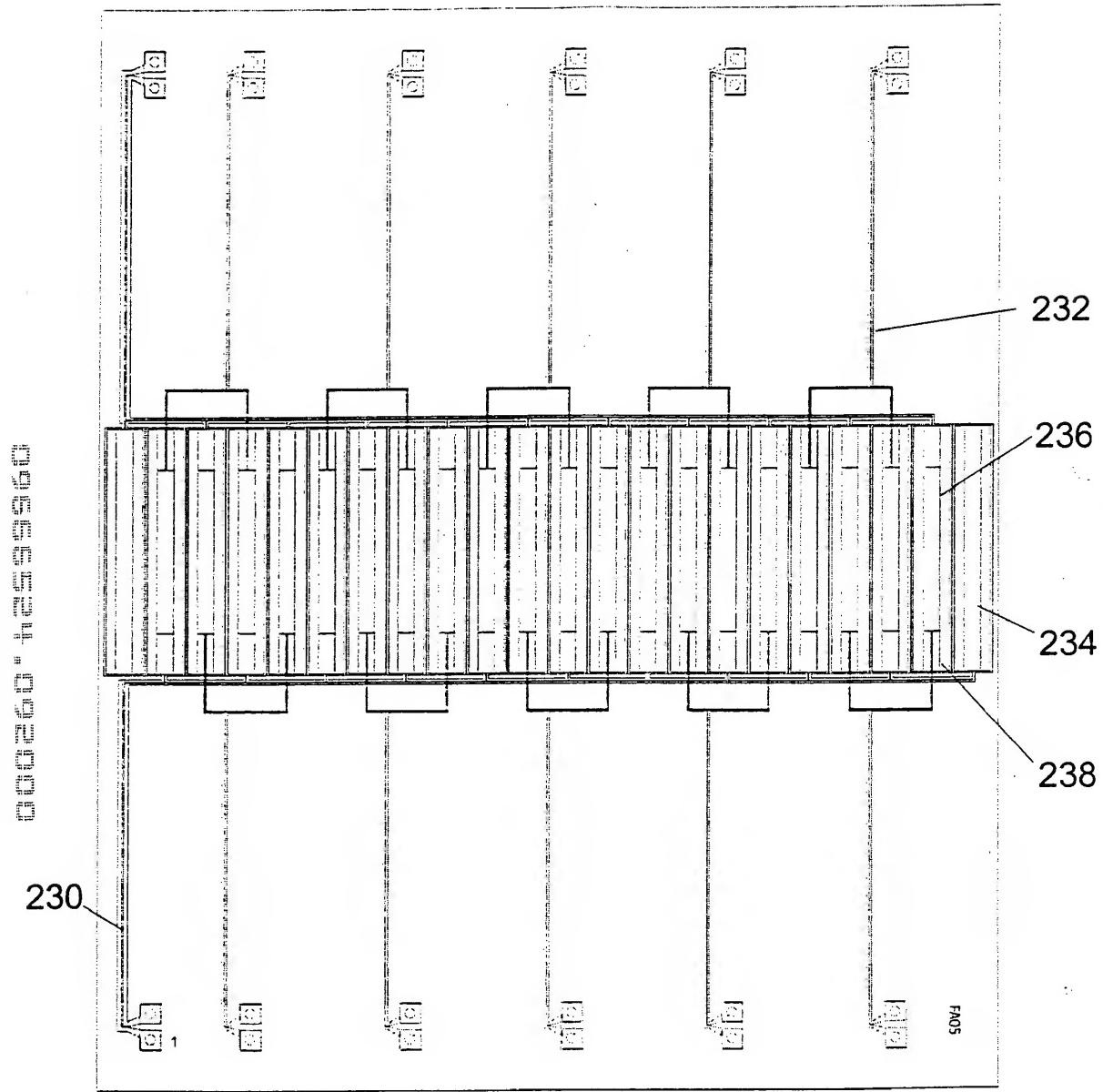


FIG. 38(b)



**FIG. 39**

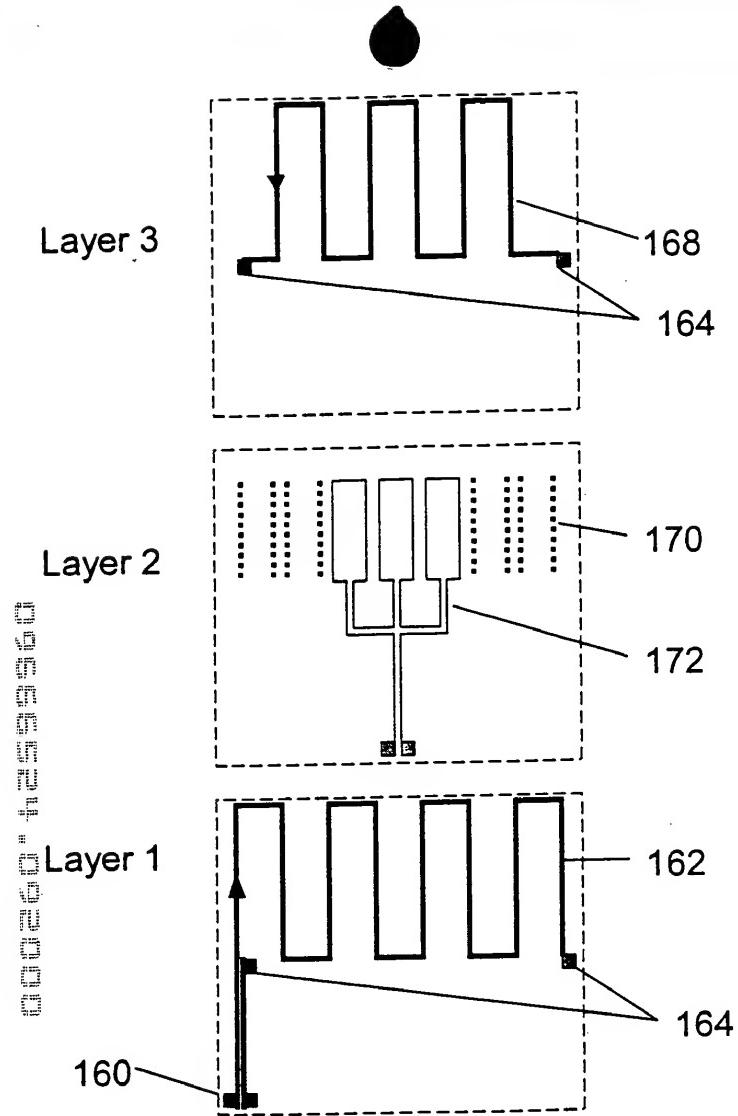


FIG. 40

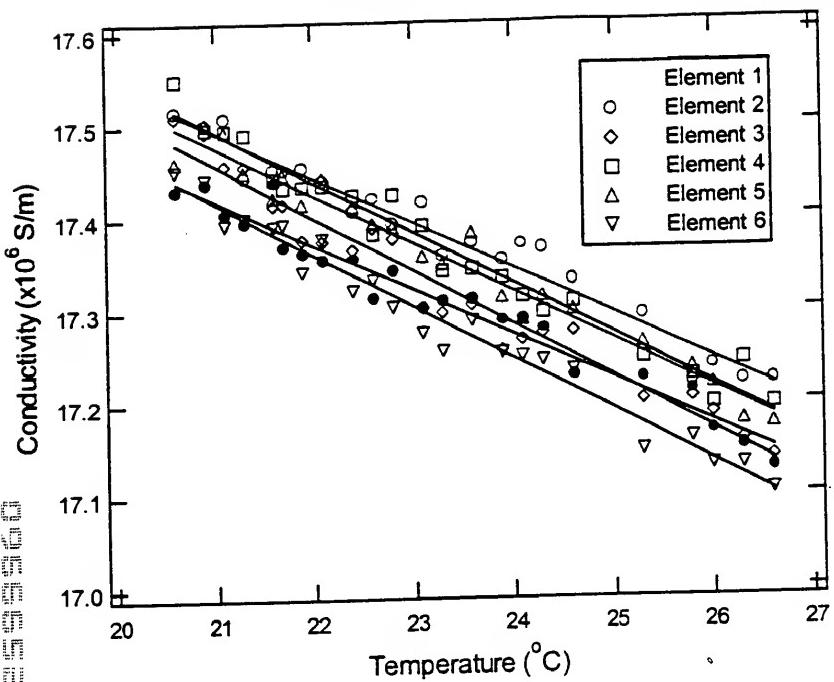
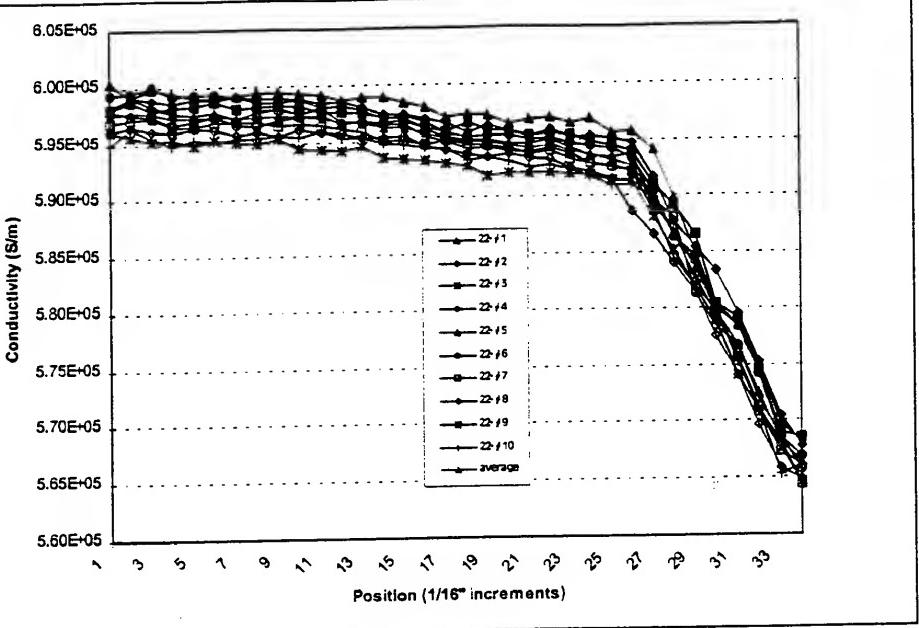


FIG. 41

(a)



(b)

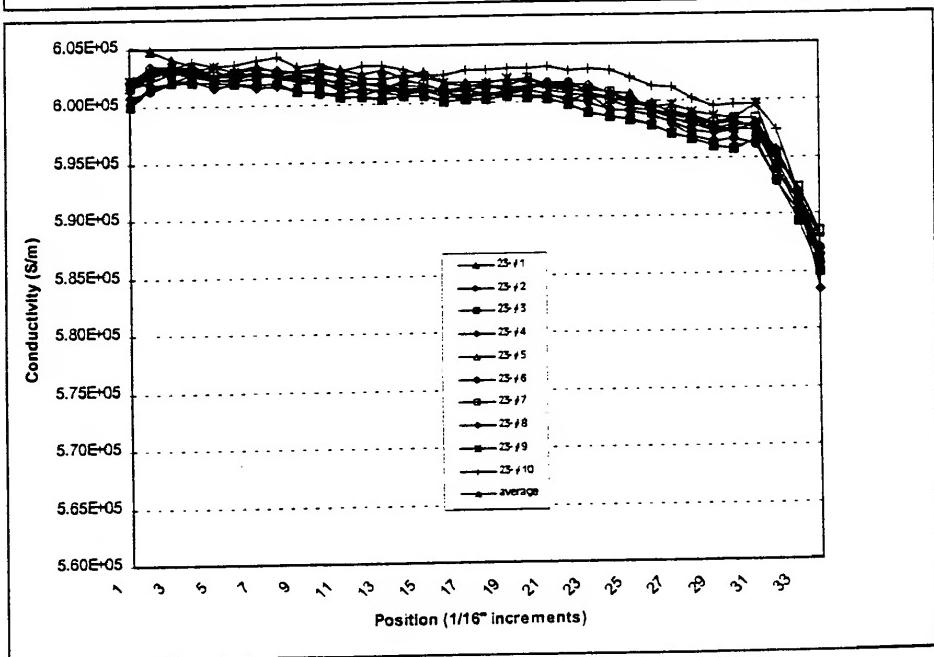


FIG. 42

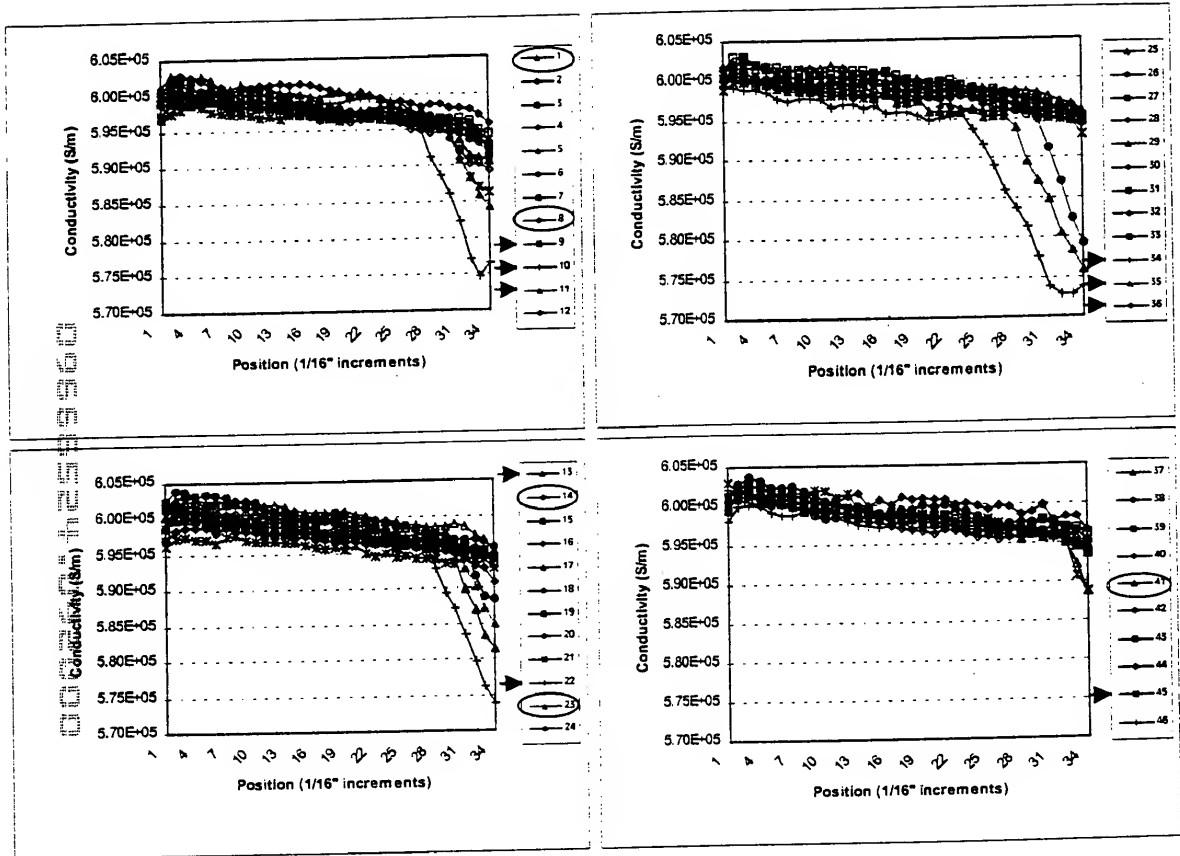


FIG. 43

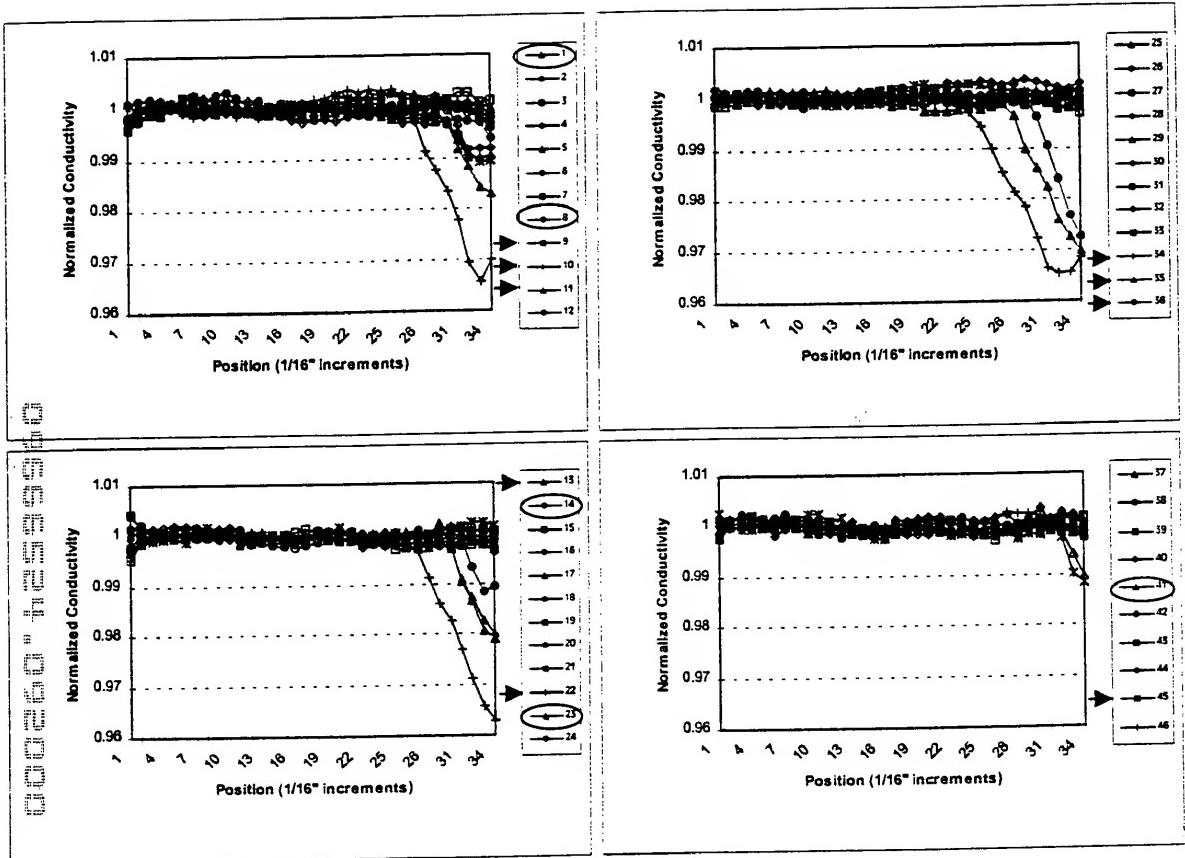


FIG. 44

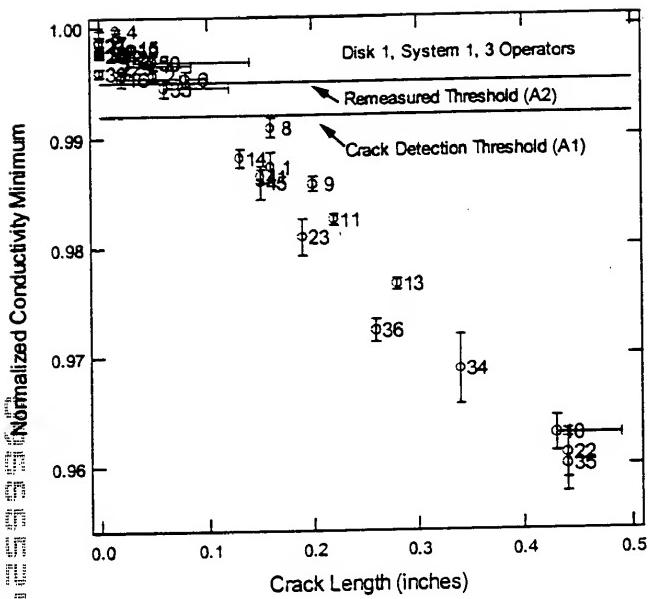


FIG. 45(a)

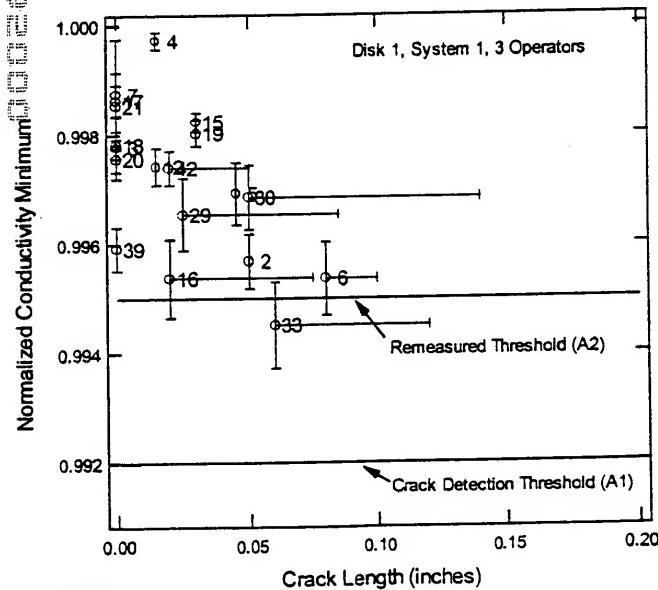


FIG. 45(b)

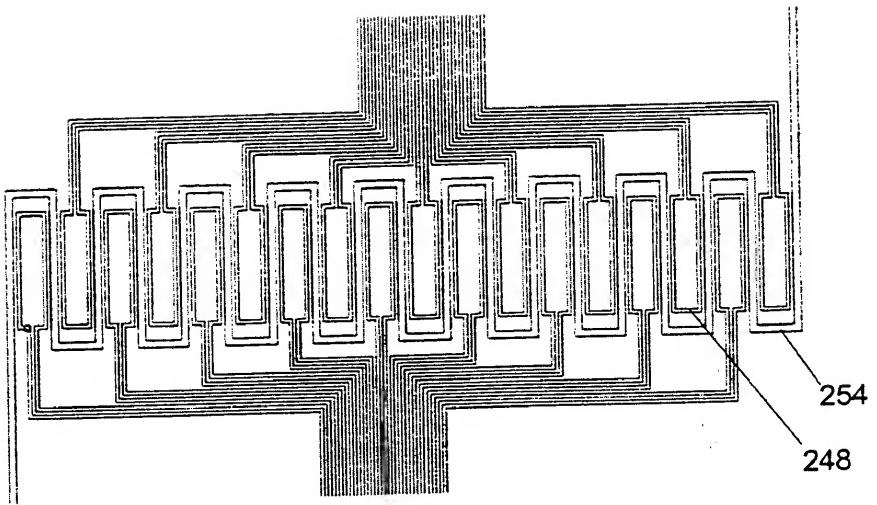
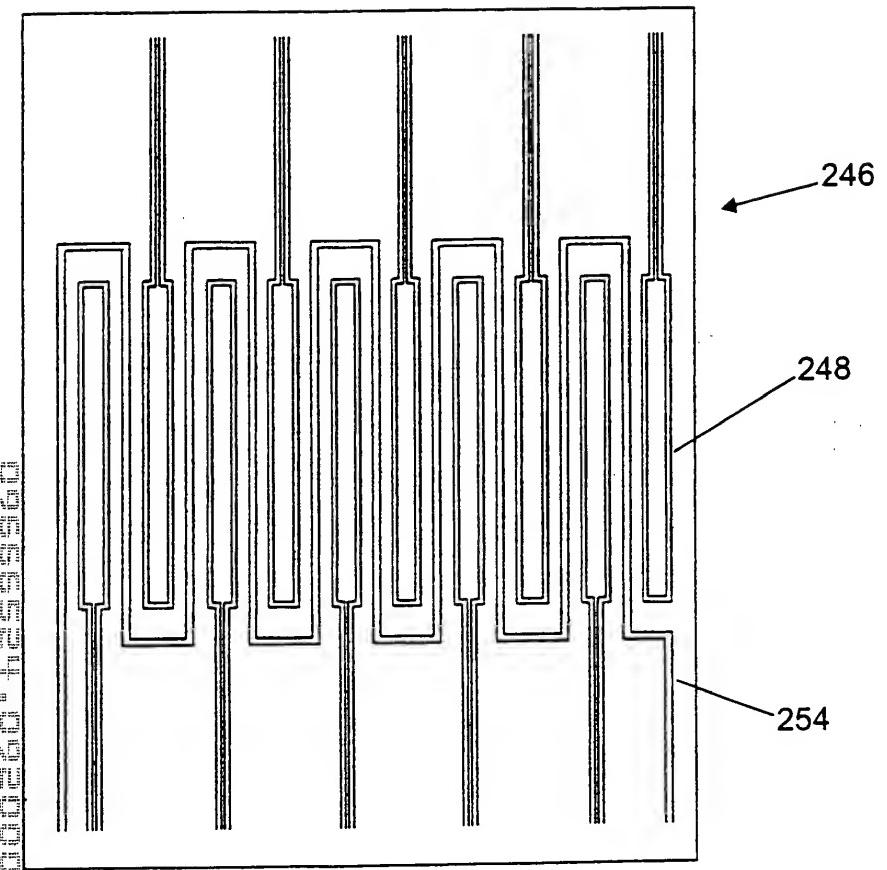


FIG. 46

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**FIG. 47**

## MWM Monitoring of Weld Quality in GTAW Ti-2 Welds at 400 kHz

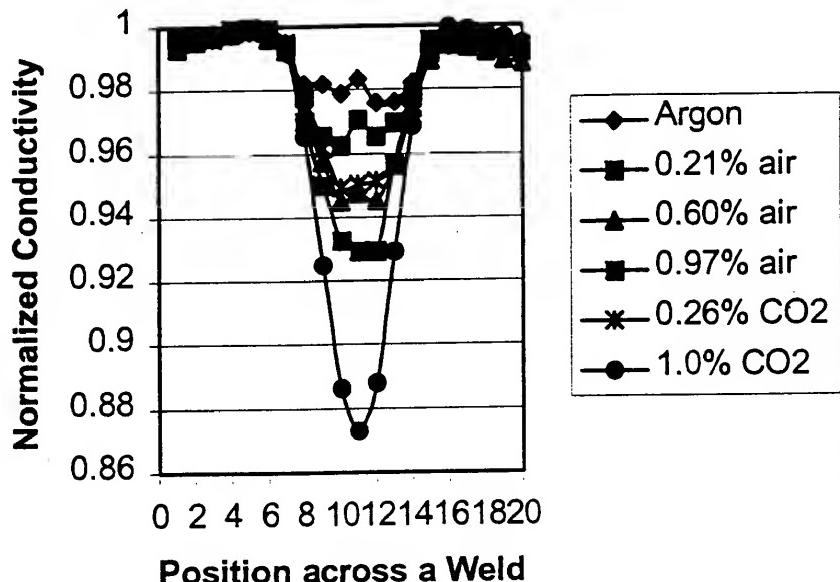


FIG. 48

Effect of Argon Contamination by Air on Normalized Conductivity of Autogeneous GTA Ti-2 Weld

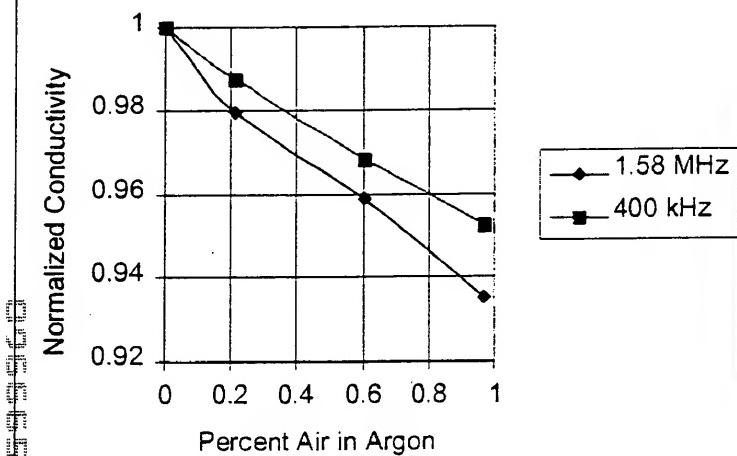


FIG. 49

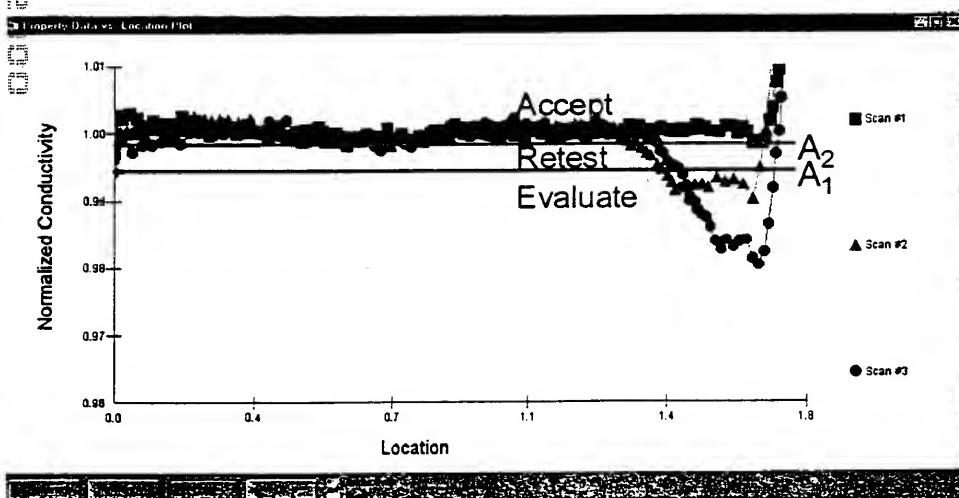
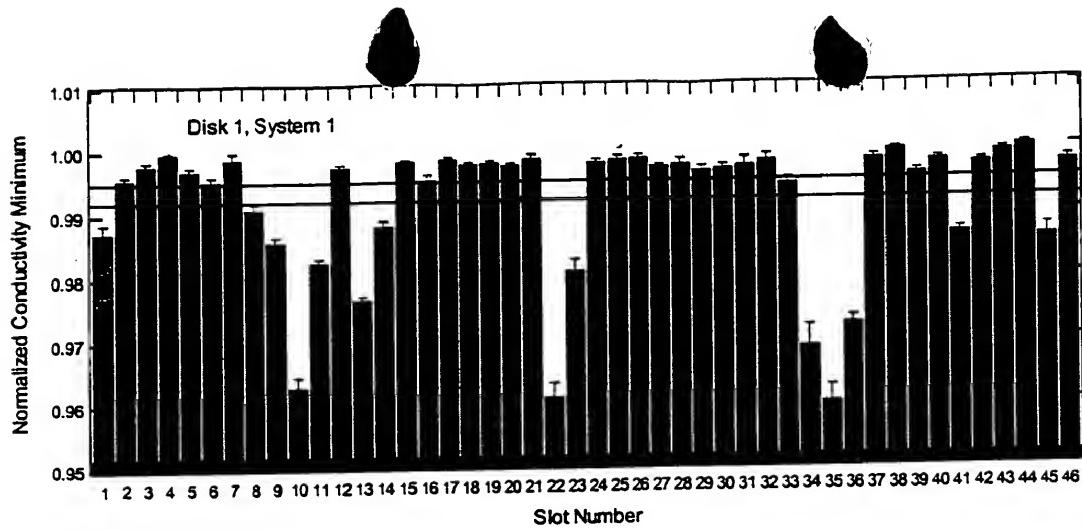
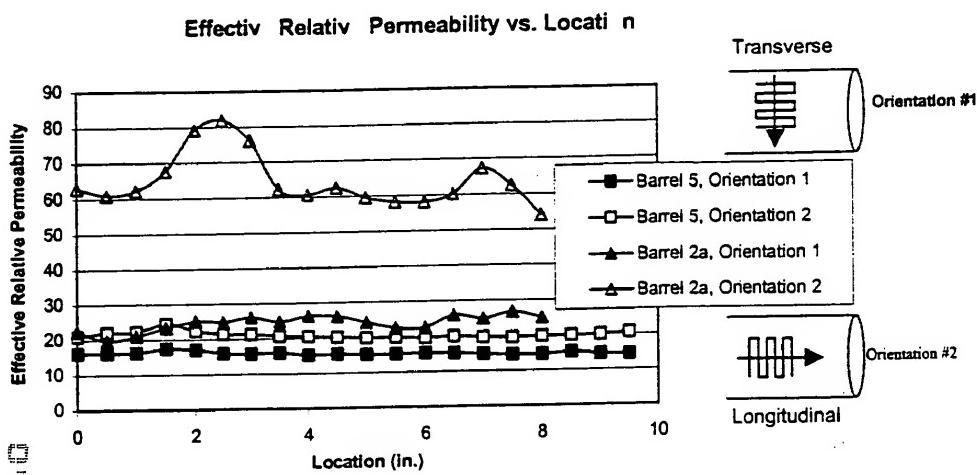


FIG. 50

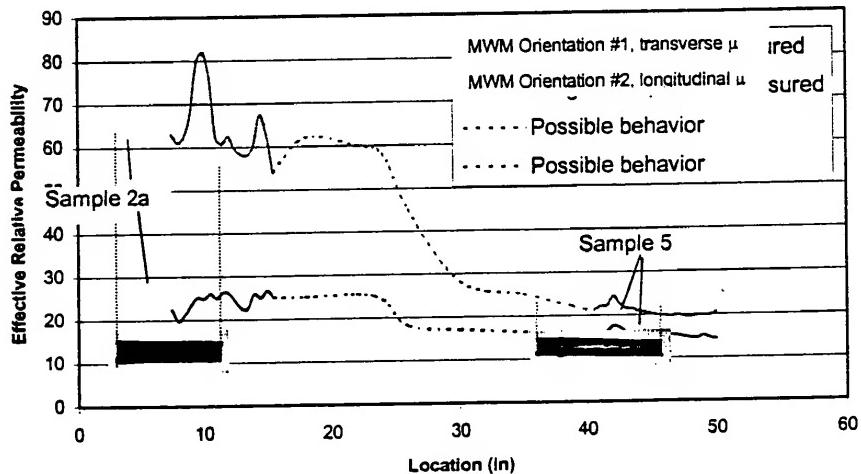


**FIG. 51**

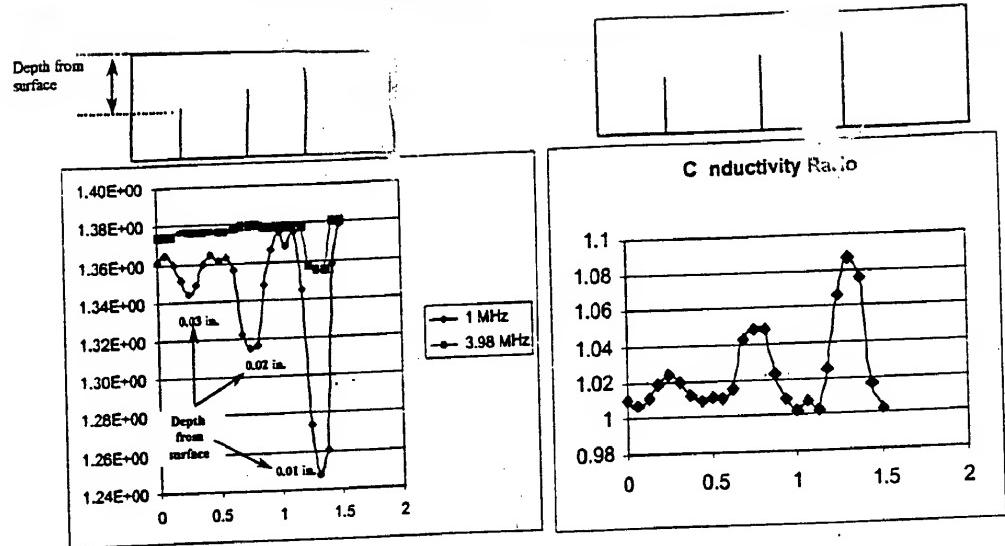


**FIG 52.**

**Effect of Overheating on Directional Permeability of 25mm Gun Barrel Sample 5 and 2a**



**FIG 53.**



**FIG 54.**